

Johan Bobacka

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8304677/publications.pdf>

Version: 2024-02-01

149
papers

7,893
citations

66343

42
h-index

58581

82
g-index

154
all docs

154
docs citations

154
times ranked

4959
citing authors

#	ARTICLE	IF	CITATIONS
1	Potentiometric Ion Sensors. <i>Chemical Reviews</i> , 2008, 108, 329-351.	47.7	813
2	Potential Stability of All-Solid-State Ion-Selective Electrodes Using Conducting Polymers as Ion-to-Electron Transducers. <i>Analytical Chemistry</i> , 1999, 71, 4932-4937.	6.5	581
3	Electrochemical impedance spectroscopy of oxidized poly(3,4-ethylenedioxythiophene) film electrodes in aqueous solutions. <i>Journal of Electroanalytical Chemistry</i> , 2000, 489, 17-27.	3.8	375
4	Conducting Polymer-Based Solid-State Ion-Selective Electrodes. <i>Electroanalysis</i> , 2006, 18, 7-18.	2.9	365
5	Potentiometric Ion Sensors Based on Conducting Polymers. <i>Electroanalysis</i> , 2003, 15, 366-374.	2.9	258
6	Transduction Mechanism of Carbon Nanotubes in Solid-Contact Ion-Selective Electrodes. <i>Analytical Chemistry</i> , 2009, 81, 676-681.	6.5	211
7	Single-piece all-solid-state ion-selective electrode. <i>Analytical Chemistry</i> , 1995, 67, 3819-3823.	6.5	173
8	A low-cost paper-based inkjet-printed platform for electrochemical analyses. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 153-162.	7.8	166
9	All solid-state poly(vinyl chloride) membrane ion-selective electrodes with poly(3-octylthiophene) solid internal contact. <i>Analyst, The</i> , 1994, 119, 1985.	3.5	165
10	Mediatorless sugar/oxygen enzymatic fuel cells based on gold nanoparticle-modified electrodes. <i>Biosensors and Bioelectronics</i> , 2012, 31, 219-225.	10.1	159
11	Influence of oxygen and carbon dioxide on the electrochemical stability of poly(3,4-ethylenedioxythiophene) used as ion-to-electron transducer in all-solid-state ion-selective electrodes. <i>Sensors and Actuators B: Chemical</i> , 2002, 82, 7-13.	7.8	138
12	Solution-cast films of poly(3,4-ethylenedioxythiophene) as ion-to-electron transducers in all-solid-state ion-selective electrodes. <i>Sensors and Actuators B: Chemical</i> , 2004, 97, 182-189.	7.8	116
13	Mechanism of ionic and redox sensitivity of p-type conducting polymers. <i>Journal of Electroanalytical Chemistry</i> , 1994, 368, 33-41.	3.8	112
14	Poly(3,4-ethylenedioxythiophene) (PEDOT) doped with carbon nanotubes as ion-to-electron transducer in polymer membrane-based potassium ion-selective electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2009, 633, 246-252.	3.8	112
15	Mechanism of ionic and redox sensitivity of p-type conducting polymers. <i>Journal of Electroanalytical Chemistry</i> , 1994, 368, 23-31.	3.8	105
16	Reduced Graphene Oxide Films as Solid Transducers in Potentiometric All-Solid-State Ion-Selective Electrodes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22570-22578.	3.1	103
17	New Signal Readout Principle for Solid-Contact Ion-Selective Electrodes. <i>Analytical Chemistry</i> , 2016, 88, 4369-4374.	6.5	88
18	Plasticizer-free all-solid-state potassium-selective electrode based on poly(3-octylthiophene) and valinomycin. <i>Analytica Chimica Acta</i> , 1999, 385, 195-202.	5.4	81

#	ARTICLE	IF	CITATIONS
19	Development of miniature all-solid-state potentiometric sensing system. <i>Sensors and Actuators B: Chemical</i> , 2010, 146, 199-205.	7.8	80
20	Novel Ion-to-Electron Transduction Principle for Solid-Contact ISEs. <i>Electroanalysis</i> , 2015, 27, 591-594.	2.9	71
21	Electrochemical control of the standard potential of solid-contact ion-selective electrodes having a conducting polymer as ion-to-electron transducer. <i>Electrochimica Acta</i> , 2014, 122, 316-321.	5.2	68
22	Paper-based potentiometric ion sensors constructed on ink-jet printed gold electrodes. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 325-332.	7.8	67
23	Improving the Sensitivity of Solid-Contact Ion-Selective Electrodes by Using Coulometric Signal Transduction. <i>ACS Sensors</i> , 2019, 4, 900-906.	7.8	64
24	Comparison of Multi-walled Carbon Nanotubes and Poly(3-hexylthiophene) as Ion-to-Electron Transducers in All-Solid-State Potassium Ion-Selective Electrodes. <i>Electroanalysis</i> , 2011, 23, 1352-1358.	2.9	63
25	Instrument-Free Control of the Standard Potential of Potentiometric Solid-Contact Ion-Selective Electrodes by Short-Circuiting with a Conventional Reference Electrode. <i>Analytical Chemistry</i> , 2014, 86, 10540-10545.	6.5	63
26	Life cycle assessment of plastic grocery bags and their alternatives in cities with confined waste management structure: A Singapore case study. <i>Journal of Cleaner Production</i> , 2021, 278, 123956.	9.3	63
27	Solid-Contact Reference Electrodes Based on Lipophilic Salts. <i>Electroanalysis</i> , 2009, 21, 1955-1960.	2.9	60
28	Potentiometric Ag ⁺ Sensors Based on Conducting Polymers: A Comparison between Poly(3,4-ethylenedioxythiophene) and Polypyrrole Doped with Sulfonated Calixarenes. <i>Electroanalysis</i> , 2005, 17, 1609-1615.	2.9	59
29	Capacitive Model for Coulometric Readout of Ion-Selective Electrodes. <i>Analytical Chemistry</i> , 2018, 90, 8700-8707.	6.5	59
30	Microcavity Based Solid-Contact Ion-Selective Microelectrodes. <i>Electroanalysis</i> , 2006, 18, 1372-1378.	2.9	57
31	PVC-Based Ion-Selective Electrodes with a Silicone Rubber Outer Coating with Improved Analytical Performance. <i>Analytical Chemistry</i> , 2019, 91, 10524-10531.	6.5	57
32	Characterization of a single-piece all-solid-state lithium-selective electrode based on soluble conducting polyaniline. <i>Analytica Chimica Acta</i> , 1999, 385, 163-173.	5.4	56
33	Paper-based microfluidic sampling for potentiometric determination of ions. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 933-939.	7.8	56
34	Equilibrium potential of potentiometric ion sensors under steady-state current by using current-reversal chronopotentiometry. <i>Journal of Electroanalytical Chemistry</i> , 2001, 509, 27-30.	3.8	55
35	Response mechanism of potentiometric Ag ⁺ sensor based on poly(3,4-ethylenedioxythiophene) doped with silver hexabromocarbon. <i>Journal of Electroanalytical Chemistry</i> , 2006, 593, 219-226.	3.8	54
36	Ionic Liquid-Based, Liquid-Junction-Free Reference Electrode. <i>Electroanalysis</i> , 2011, 23, 1881-1890.	2.9	51

#	ARTICLE	IF	CITATIONS
37	Potentiometric sensing utilizing paper-based microfluidic sampling. <i>Analyst</i> , The, 2014, 139, 2133-2136.	3.5	51
38	Selectivity of Lithium Electrodes: Correlation with Ion-Ionophore Complex Stability Constants and with Interfacial Exchange Current Densities. <i>Analytical Chemistry</i> , 2002, 74, 518-527.	6.5	50
39	Electrochemical synthesis and characterization of poly(3,4-ethylenedioxythiophene) in ionic liquids with bulky organic anions. <i>Journal of Solid State Electrochemistry</i> , 2004, 8, 809.	2.5	50
40	Potentiometric sensors based on poly(3,4-ethylenedioxythiophene) (PEDOT) doped with sulfonated calix[4]arene and calix[4]resorcarenes. <i>Journal of Solid State Electrochemistry</i> , 2005, 9, 312-319.	2.5	49
41	Disposable solid-contact ion-selective electrodes for environmental monitoring of lead with ppb limit-of-detection. <i>Electrochimica Acta</i> , 2012, 73, 93-97.	5.2	46
42	Electrochemical study of poly(3-octylthiophene) film electrodes I. Electrolyte effects on the voltammetric characteristics of the polymer. Three states of the polymer film. <i>Synthetic Metals</i> , 1991, 44, 9-19.	3.9	43
43	All-solid-state chloride sensors based on electronically conducting, semiconducting and insulating polymer membranes. <i>Sensors and Actuators B: Chemical</i> , 2007, 127, 545-553.	7.8	43
44	Diagnostic of functionality of polymer membrane based ion selective electrodes by impedance spectroscopy. <i>Analytical Methods</i> , 2010, 2, 1490.	2.7	43
45	Electrochemical impedance spectroscopy of cobalt(II)-hexacyanoferrate film modified electrodes. <i>Electrochimica Acta</i> , 1993, 38, 379-385.	5.2	41
46	Potentiometric response of poly(3-octylthiophene), poly(3-methylthiophene) and polythiophene in aqueous solutions. <i>Talanta</i> , 1993, 40, 1437-1444.	5.5	41
47	All-Solid-State Chloride-Selective Electrode Based on Poly(3-octylthiophene) and Tridodecylmethylammonium Chloride. <i>Electroanalysis</i> , 1999, 11, 821-824.	2.9	40
48	Transport of metal ions across an electrically switchable cation exchange membrane based on polypyrrole doped with a sulfonated calix[6]arene. <i>Journal of Membrane Science</i> , 2010, 354, 162-170.	8.2	40
49	Solid-contact lead(II) ion-selective electrodes for potentiometric determination of lead(II) in presence of high concentrations of Na(I), Cu(II), Cd(II), Zn(II), Ca(II) and Mg(II). <i>Sensors and Actuators B: Chemical</i> , 2015, 218, 25-30.	7.8	40
50	Solid-Contact Ion-Selective Electrodes with Highly Selective Thioamide Derivatives of <i>p</i> -tert-Butylcalix[4]arene for the Determination of Lead(II) in Environmental Samples. <i>Analytical Chemistry</i> , 2013, 85, 1555-1561.	6.5	39
51	Durable PEDOT:PSS films obtained from modified water-based inks for electrochemical sensors. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 694-701.	7.8	39
52	Textile-based sampling for potentiometric determination of ions. <i>Analytica Chimica Acta</i> , 2015, 877, 71-79.	5.4	38
53	Hand-Held Transistor Based Electrical and Multiplexed Chemical Sensing System. <i>ACS Sensors</i> , 2016, 1, 1423-1431.	7.8	38
54	Electron transfer at conducting polymer film electrodes: mechanism and kinetics of ferrocene oxidation at poly(3-octylthiophene). <i>Journal of Electroanalytical Chemistry</i> , 1997, 427, 63-69.	3.8	37

#	ARTICLE	IF	CITATIONS
55	Solid reference electrode integrated with paper-based microfluidics for potentiometric ion sensing. <i>Sensors and Actuators B: Chemical</i> , 2020, 323, 128680.	7.8	37
56	EIS study of the redox reaction of $\text{Fe}(\text{CN})_6^{3+/4+}$ at poly(3,4-ethylenedioxythiophene) electrodes: influence of dc potential and cOx:cRed ratio. <i>Journal of Electroanalytical Chemistry</i> , 2004, 572, 309-316.	3.8	36
57	Potentiometric sensors for Ag^+ based on poly(3-octylthiophene) (POT). <i>Journal of Solid State Electrochemistry</i> , 2005, 9, 865-873.	2.5	36
58	Impedance spectroscopic study on single-piece all-solid-state calcium-selective electrode based on polyaniline. <i>Analyst</i> , 1996, 121, 1823.	3.5	35
59	Study on soluble polypyrrole as a component in all-solid-state ion-sensors. <i>Electrochimica Acta</i> , 1998, 43, 3503-3509.	5.2	35
60	Ion-selective Electrodes with 3D Nanostructured Conducting Polymer Solid Contact. <i>Electroanalysis</i> , 2016, 28, 778-786.	2.9	35
61	Solid-contact ion-selective electrodes for aromatic cations based on π -coordinating soft carriers. <i>Talanta</i> , 2002, 58, 341-349.	5.5	34
62	Small-volume radial flow cell for all-solid-state ion-selective electrodes. <i>Talanta</i> , 2004, 62, 57-63.	5.5	34
63	The effect of counter ions and substrate material on the growth and morphology of poly(3,4-ethylenedioxythiophene) films: Towards the application of enzyme electrode construction in biofuel cells. <i>Synthetic Metals</i> , 2010, 160, 1373-1381.	3.9	34
64	<i>In Situ</i> Potentiometry and Ellipsometry: A Promising Tool to Study Biofouling of Potentiometric Sensors. <i>Analytical Chemistry</i> , 2016, 88, 3009-3014.	6.5	34
65	Electrochemical study of poly(3-octylthiophene) film electrodes. Impedance of the polymer film semiconductor-electrolyte interface. <i>Electrochimica Acta</i> , 1992, 37, 1759-1765.	5.2	33
66	All-Solid-State Ag^+ -ISE Based on [2.2.2]p,p,p-Cyclophane. <i>Electroanalysis</i> , 2001, 13, 723-726.	2.9	33
67	Ion-selective Organic Electrochemical Junction Transistors Based on Poly(3,4-ethylenedioxythiophene) Doped with Poly(styrene sulfonate). <i>Electroanalysis</i> , 2009, 21, 472-479.	2.9	33
68	Tuned galvanostatic polarization of solid-state lead-selective electrodes for lowering of the detection limit. <i>Analytica Chimica Acta</i> , 2011, 707, 1-6.	5.4	33
69	Determination of Lead(II) in Groundwater Using Solid-State Lead(II) Selective Electrodes by Tuned Galvanostatic Polarization. <i>Electroanalysis</i> , 2013, 25, 123-131.	2.9	33
70	Paper-based microfluidic sampling and separation of analytes for potentiometric ion sensing. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 346-352.	7.8	33
71	Too small to matter? Physicochemical transformation and toxicity of engineered nTiO ₂ , nSiO ₂ , nZnO, carbon nanotubes, and nAg. <i>Journal of Hazardous Materials</i> , 2021, 404, 124107.	12.4	33
72	Ion exchange behaviour and charge compensation mechanism of polypyrrole in electrolytes containing mono-, di- and trivalent metal ions. <i>Synthetic Metals</i> , 2009, 159, 2590-2598.	3.9	32

#	ARTICLE	IF	CITATIONS
73	Bioimpedance Sensor Array for Long-Term Monitoring of Wound Healing from Beneath the Primary Dressings and Controlled Formation of H ₂ O ₂ Using Low-Intensity Direct Current. <i>Sensors</i> , 2019, 19, 2505.	3.8	32
74	Environmental footprint of voltammetric sensors based on screen-printed electrodes: An assessment towards "green" sensor manufacturing. <i>Chemosphere</i> , 2021, 278, 130462.	8.2	32
75	Metallic and non-metallic redox response of conducting polymers. <i>Journal of Electroanalytical Chemistry</i> , 1997, 430, 243-252.	3.8	31
76	Influence of Electrode Geometry on the Response of Solid-Contact Ion-Selective Electrodes when Utilizing a New Coulometric Signal Readout Method. <i>ChemElectroChem</i> , 2016, 3, 2071-2077.	3.4	31
77	Electrosynthesized polypyrrole/zeolite composites as solid contact in potassium ion-selective electrode. <i>Electrochimica Acta</i> , 2017, 228, 66-75.	5.2	31
78	Soluble semiconducting poly(3-octylthiophene) as a solid-contact material in all-solid-state chloride sensors. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 878-886.	7.8	30
79	Recovery of nanomolar detection limit of solid-contact lead (II)-selective electrodes by electrode conditioning. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 2983-2991.	2.5	30
80	Calcium-selective electrodes based on photo-cured polyurethane-acrylate membranes covalently attached to methacrylate functionalized poly(3,4-ethylenedioxythiophene) as solid-contact. <i>Talanta</i> , 2018, 186, 279-285.	5.5	30
81	Synthesis, Characterization, and Complexation of Tetraarylborates with Aromatic Cations and Their Use in Chemical Sensors. <i>Chemistry - A European Journal</i> , 2005, 11, 2071-2080.	3.3	28
82	Electrochemical sensors for real-world applications. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 2039-2040.	2.5	28
83	Electrochemical study of poly(3-octylthiophene) film electrodes II. Reversible redox/conductivity state switching. Impedance study. <i>Synthetic Metals</i> , 1991, 44, 21-34.	3.9	27
84	Influence of phosphate buffer and proteins on the potentiometric response of a polymeric membrane-based solid-contact Pb(II) ion-selective electrode. <i>Electrochimica Acta</i> , 2017, 252, 490-497.	5.2	26
85	Highly sensitive and stable fructose self-powered biosensor based on a self-charging biosupercapacitor. <i>Biosensors and Bioelectronics</i> , 2021, 176, 112909.	10.1	26
86	Electrochemical Behaviour of Poly(benzopyrene) Films Doped with Eriochrome Black T as a Pb ²⁺ -Sensitive Sensors. <i>Electroanalysis</i> , 2010, 22, 2794-2800.	2.9	25
87	A study on lowering the detection limit with solid-state lead-selective electrodes. <i>Talanta</i> , 2010, 83, 436-440.	5.5	25
88	Impedance study of the ion-to-electron transduction process for carbon cloth as solid-contact material in potentiometric ion sensors. <i>Electrochimica Acta</i> , 2011, 56, 10683-10687.	5.2	25
89	Gadolinium retention in gliomas and adjacent normal brain tissue: association with tumor contrast enhancement and linear/macrocyclic agents. <i>Neuroradiology</i> , 2019, 61, 535-544.	2.2	25
90	Silver(I)-selective electrodes based on rare earth element double-decker porphyrins. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127311.	7.8	25

#	ARTICLE	IF	CITATIONS
91	Silver Ion-Selective Electrodes Based on β -Coordinating Ionophores Without Heteroatoms. <i>Electroanalysis</i> , 2002, 14, 1353-1357.	2.9	24
92	All-Solid-State Chloride Sensors with Poly(3-Octylthiophene) Matrix and Trihexadecylmethylammonium Chlorides as an Ion Exchanger Salt. <i>Electroanalysis</i> , 2004, 16, 379-385.	2.9	24
93	Electrochemical characterization of poly(3,4-ethylenedioxythiophene) (PEDOT) doped with sulfonated thiophenes. <i>Electrochimica Acta</i> , 2008, 53, 3755-3762.	5.2	24
94	Electrochemically controlled ion transport across polypyrrole/multi-walled carbon nanotube composite membranes. <i>Synthetic Metals</i> , 2011, 161, 1906-1914.	3.9	24
95	Electrochemically controlled transport of anions across polypyrrole-based membranes. <i>Journal of Membrane Science</i> , 2019, 581, 50-57.	8.2	24
96	Carbonate ion-selective electrode with reduced interference from salicylate. <i>Biosensors and Bioelectronics</i> , 2003, 18, 245-253.	10.1	23
97	Influence of anionic additive on Hg ²⁺ interference on Ag ⁺ -ISEs based on [2.2.2]p,p,p-cyclophane as neutral carrier. <i>Talanta</i> , 2004, 63, 135-138.	5.5	23
98	Multicalibrational procedure for more reliable analyses of ions at low analyte concentrations. <i>Electrochimica Acta</i> , 2014, 140, 27-32.	5.2	23
99	A review on conjugated polymer-based electronic tongues. <i>Analytica Chimica Acta</i> , 2022, 1221, 340114.	5.4	23
100	In situ catalytic reforming of plastic pyrolysis vapors using MSW incineration ashes. <i>Environmental Pollution</i> , 2021, 276, 116681.	7.5	22
101	Gold-modified paper as microfluidic substrates with reduced biofouling in potentiometric ion sensing. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130200.	7.8	22
102	New polyacrylate-based lead(II) ion-selective electrodes. <i>Mikrochimica Acta</i> , 2009, 164, 293-297.	5.0	21
103	Direct Electron Transfer of <i>Trametes hirsuta</i> Laccase in a Dual-Layer Architecture of Poly(3,4-ethylenedioxythiophene) Films. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5919-5929.	3.1	20
104	Electrochemical and spectroscopic study on thiolation of polyaniline. <i>Electrochimica Acta</i> , 2013, 90, 604-614.	5.2	20
105	Electrospun TiO ₂ nanofibers decorated Ti substrate for biomedical application. <i>Materials Science and Engineering C</i> , 2014, 45, 56-63.	7.3	20
106	Biomimetic membranes based on molecularly imprinted conducting polymers as a sensing element for determination of taurine. <i>Electrochimica Acta</i> , 2016, 188, 537-544.	5.2	20
107	Coulometric response of solid-contact anion-sensitive electrodes. <i>Electrochimica Acta</i> , 2021, 367, 137566.	5.2	20
108	Polymer-Drug Conjugates as Nanotheranostic Agents. <i>Journal of Nanotheranostics</i> , 2021, 2, 63-81.	3.1	20

#	ARTICLE	IF	CITATIONS
109	Tuned ionophore-based bi-membranes for selective transport of target ions. <i>Journal of Membrane Science</i> , 2016, 511, 76-83.	8.2	19
110	Coulometric response characteristics of solid contact ion-selective electrodes for divalent cations. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 2975-2983.	2.5	19
111	Sampling of fluid through skin with magnetohydrodynamics for noninvasive glucose monitoring. <i>Scientific Reports</i> , 2021, 11, 7609.	3.3	19
112	Influence of enzyme immobilization and skin-sensor interface on non-invasive glucose determination from interstitial fluid obtained by magnetohydrodynamic extraction. <i>Biosensors and Bioelectronics</i> , 2022, 206, 114123.	10.1	19
113	Electrochemical study on the polypyrrole-polyaniline bilayers. <i>Synthetic Metals</i> , 1993, 55, 1477-1482.	3.9	18
114	Determination of Na ⁺ , K ⁺ , Ca ²⁺ , and Cl ⁻ ions in Wood Pulp Suspension Using Ion-Selective Electrodes. <i>Electroanalysis</i> , 2001, 13, 1119-1124.	2.9	18
115	On-line microcolumn-based dynamic leaching method for investigation of lead bioaccessibility in shooting range soils. <i>Chemosphere</i> , 2020, 256, 127022.	8.2	18
116	Simultaneous monitoring of the transport of anions and cations across polypyrrole based composite membranes. <i>Electrochimica Acta</i> , 2011, 56, 3507-3515.	5.2	17
117	Real-time monitoring of the dissolution of silver nanoparticles by using a solid-contact Ag ⁺ -selective electrode. <i>Analytica Chimica Acta</i> , 2020, 1101, 50-57.	5.4	17
118	Molecularly imprinted conducting polymer for determination of a condensed lignin marker. <i>Sensors and Actuators B: Chemical</i> , 2019, 295, 186-193.	7.8	14
119	Ion Exchange Behavior of Polypyrrole Doped with Large Anions in Electrolytes Containing Mono- and Divalent Metal Ions. <i>Electroanalysis</i> , 2013, 25, 991-1004.	2.9	13
120	Transportation and Accumulation of Redox Active Species at the Buried Interfaces of Plasticized Membrane Electrodes. <i>Langmuir</i> , 2015, 31, 10599-10609.	3.5	13
121	Electrosynthesis of polypyrrole in iodide solution. Film growth, redox behaviour and potentiometric response. <i>Analytica Chimica Acta</i> , 1997, 355, 217-225.	5.4	12
122	Design, synthesis and application of carbazole macrocycles in anion sensors. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 1901-1914.	2.2	12
123	Perchlorate Solid-Contact Ion-Selective Electrode Based on Dodecabenzyllbam[6]uril. <i>Chemosensors</i> , 2022, 10, 115.	3.6	12
124	Specific Electrocatalytic Oxidation of Cellulose at Carbon Electrodes Modified by Gold Nanoparticles. <i>ChemCatChem</i> , 2016, 8, 2401-2405.	3.7	11
125	Solid-contact Acetate-selective Electrode Based on a 1,3-bis(carbazolyl)urea-ionophore. <i>Electroanalysis</i> , 2019, 31, 1061-1066.	2.9	10
126	Coupled Redox and pH Potentiometric Responses of Electrodes Coated with Polypyrrole. <i>Analytical Letters</i> , 2000, 33, 1339-1360.	1.8	9

#	ARTICLE	IF	CITATIONS
127	Chapter 4 Ion sensors with conducting polymers as ion-to-electron transducers. <i>Comprehensive Analytical Chemistry</i> , 2007, 49, 73-86.	1.3	8
128	LogP determination for highly lipophilic hydrogen-bonding anion receptor molecules. <i>Analytica Chimica Acta</i> , 2020, 1132, 123-133.	5.4	8
129	Impedance study of thiolated polyaniline. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 2783-2789.	2.5	7
130	A novel modified terpyridine derivative as a model molecule to study kinetic-based optical spectroscopic ion determination methods. <i>Synthetic Metals</i> , 2016, 219, 101-108.	3.9	7
131	Potentiometric Carboxylate Sensors Based on Carbazole-Derived Acyclic and Macrocyclic Ionophores. <i>Chemosensors</i> , 2021, 9, 4.	3.6	7
132	Anomalous potentiometric response of solid-contact ion-selective electrodes with thin-layer membranes. <i>Sensors and Actuators B: Chemical</i> , 2022, 357, 131416.	7.8	7
133	Determination of Calcium with Ion-Selective Electrode in Black Liquor from a Kraft Pulping Process. <i>Electroanalysis</i> , 2009, 21, 2014-2021.	2.9	6
134	Electropolymerization of N-hydroxyethylcarbazole on carbon fiber microelectrodes. <i>Journal of Applied Polymer Science</i> , 2009, 113, 136-142.	2.6	6
135	Electropolymerization of N-methylantranilic acid and spectroelectrochemical characterization of the formed film. <i>Synthetic Metals</i> , 2009, 159, 96-102.	3.9	6
136	Investigation of Protein Binding With All Solid-State Ion-Selective Electrodes. <i>Electroanalysis</i> , 2013, 25, 1887-1894.	2.9	6
137	Coulometric ion sensing with Li ⁺ -selective LiMn ₂ O ₄ electrodes. <i>Electrochemistry Communications</i> , 2022, 139, 107302.	4.7	5
138	Electrochemical properties of novel porous carbon based material synthesized from polycyclic aromatic hydrocarbons. <i>Electrochimica Acta</i> , 2013, 105, 384-393.	5.2	4
139	Application of terpyridyl ligands to tune the optical and electrochemical properties of a conducting polymer. <i>RSC Advances</i> , 2018, 8, 29505-29512.	3.6	4
140	Polyterthiophenes Cross-Linked with Terpyridyl Metal Complexes for Molecular Architecture of Optically and Electrochemically Tunable Materials. <i>ChemElectroChem</i> , 2020, 7, 4453-4459.	3.4	4
141	Electrochemical synthesis and characterization of poly(3,4-ethylenedioxythiophene) doped with sulfonated calixarenes and sulfonated calixarene-fullerene complexes. <i>Electrochimica Acta</i> , 2013, 107, 178-186.	5.2	3
142	Long-Time Evaluation of Solid-State Composite Reference Electrodes. <i>Membranes</i> , 2022, 12, 569.	3.0	3
143	Procedure 4 Determination of Ca(II) in wood pulp using a calcium-selective electrode with poly(3,4-ethylenedioxythiophene) as ion-to-electron transducer. <i>Comprehensive Analytical Chemistry</i> , 2007, 49, e25-e28.	1.3	2
144	Adhesive behavior study between cellulose and borosilicate glass using colloidal probe technique. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
145	EACH (Excellence in Analytical Chemistry), an Erasmus Mundus Joint Programme: progress and success. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5913-5921.	3.7	1
146	Dependence of the potentiometric response of PEDOT(PSS) on the solubility product of silver salts. <i>Electrochimica Acta</i> , 2021, 390, 138854.	5.2	1
147	Multilayer and Surface Immobilization of EDOT-Decorated Nanocapsules. <i>Langmuir</i> , 2021, 37, 499-508.	3.5	1
148	Potentiometric Ion Sensors Based on Conducting Polymers. <i>ChemInform</i> , 2003, 34, no.	0.0	0
149	Study of adhesion force between cellulose micro-sphere and cellulose membrane. , 2016, , .		0