

# Andrzej Lewenstam

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8925974/publications.pdf>

Version: 2024-02-01

201  
papers

9,625  
citations

44069

48  
h-index

45317

90  
g-index

206  
all docs

206  
docs citations

206  
times ranked

6319  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-Time Evaluation of Solid-State Composite Reference Electrodes. <i>Membranes</i> , 2022, 12, 569.	3.0	3
2	Solid-Contact Electrode with Composite PVC-Based 3D-Printed Membrane. Optimization of Fabrication and Performance. <i>Sensors</i> , 2021, 21, 4909.	3.8	2
3	Special Issue “Advances in Artificial and Biological Membranes: Mechanisms of Ionic Sensitivity, Ion-Sensor Designs, and Applications for Ion Measurement” <i>Membranes</i> , 2020, 10, 427.	3.0	3
4	Effective and Apparent Diffusion Coefficients of Chloride Ions and Chloride Binding Kinetics Parameters in Mortars: Non-Stationary Diffusion “Reaction Model and the Inverse Problem. <i>Materials</i> , 2020, 13, 5522.	2.9	14
5	Precipitation of Inorganic Salts in Mitochondrial Matrix. <i>Membranes</i> , 2020, 10, 81.	3.0	8
6	Measurement of Multi Ion Transport through Human Bronchial Epithelial Cell Line Provides an Insight into the Mechanism of Defective Water Transport in Cystic Fibrosis. <i>Membranes</i> , 2020, 10, 43.	3.0	8
7	New ISE-Based Apparatus for Na <sup>+</sup> , K <sup>+</sup> , Cl <sup>-</sup> , pH and Transepithelial Potential Difference Real-Time Simultaneous Measurements of Ion Transport across Epithelial Cells Monolayer “Advantages and Pitfalls. <i>Sensors</i> , 2019, 19, 1881.	3.8	11
8	A Breakthrough Application of a Cross-Linked Polystyrene Anion-Exchange Membrane for a Hydrogencarbonate Ion-Selective Electrode. <i>Sensors</i> , 2019, 19, 1268.	3.8	14
9	Reference Electrodes with Polymer-Based Membranes “Comprehensive Performance Characteristics. <i>Membranes</i> , 2019, 9, 161.	3.0	20
10	Solid contact reference electrode with a PVC-based composite electroactive element fabricated by 3D printing. <i>Electrochemistry Communications</i> , 2019, 109, 106613.	4.7	21
11	Sensitivity and Selectivity of Ion-Selective Electrodes Interpreted Using the Nernst-Planck-Poisson Model. <i>Analytical Chemistry</i> , 2018, 90, 9644-9649.	6.5	10
12	Calibration free solid contact electrodes with two PVC based membranes. <i>Sensors and Actuators B: Chemical</i> , 2018, 274, 268-273.	7.8	23
13	All-Solid-State Reference Electrode with Heterogeneous Membrane. <i>Analytical Chemistry</i> , 2017, 89, 1068-1072.	6.5	28
14	Modeling of Electrodifusion Processes from Nano to Macro Scale. <i>Journal of the Electrochemical Society</i> , 2017, 164, E3559-E3568.	2.9	7
15	Multi-electrode system for measurement of transmembrane ion-fluxes through living epithelial cells. <i>Bioelectrochemistry</i> , 2017, 117, 65-73.	4.6	11
16	Direct Potentiometric Determination of Hydrogen Carbonate in Mineral Waters. <i>Electroanalysis</i> , 2017, 29, 140-145.	2.9	15
17	Determination of the stability constant of the calcium binding ligand in black liquor (BL) by potentiometric titration. <i>Holzforschung</i> , 2016, 70, 733-738.	1.9	2
18	Continuous Modeling of Calcium Transport Through Biological Membranes. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 3285-3290.	2.5	3

#	ARTICLE	IF	CITATIONS
19	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
20	<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
21	Ion-selective electrodes in potentiometric titrations; a new method for processing and evaluating titration data. <i>Analytica Chimica Acta</i> , 2015, 888, 36-43.	5.4	7
22	Neutral-Carrier Ion-Selective Electrodes Assessed by the Nernst-Planck-Poisson Model. <i>Analytical Chemistry</i> , 2015, 87, 8665-8672.	6.5	23
23	All-solid-state electrochemical platform for potentiometric measurements. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 895-899.	7.8	16
24	Electrochemistry of Symmetrical Ion Channel: A Three-Dimensional Nernst-Planck- Poisson Model. <i>ECS Transactions</i> , 2014, 61, 11-20.	0.5	4
25	Electrochemistry and Ion Sensing Properties of Conducting Hydrogel Layers Based on Polypyrrole and Alkoxysulfonated Poly(3,4-ethylenedioxythiophene) (PEDOT). <i>Electroanalysis</i> , 2014, 26, 739-747.	2.9	1
26	Multicalibrational procedure for more reliable analyses of ions at low analyte concentrations. <i>Electrochimica Acta</i> , 2014, 140, 27-32.	5.2	23
27	Conducting polymers - mechanisms of cationic sensitivity and the methods of inducing thereof. <i>Electrochimica Acta</i> , 2014, 133, 316-324.	5.2	16
28	Analytical quality solid-state composite reference electrode manufactured by injection moulding. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 607-612.	2.5	23
29	Breakthrough in Modeling of Electrodifusion Processes: Continuation and Extensions of the Classical Work of Richard Buck. <i>ECS Transactions</i> , 2014, 61, 21-30.	0.5	6
30	Analytical Quality Solid-State Composite Reference Electrode and Electrochemical Platform. <i>ECS Transactions</i> , 2014, 61, 1-10.	0.5	1
31	Routines and Challenges in Clinical Application of Electrochemical Ion Sensors. <i>Electroanalysis</i> , 2014, 26, 1171-1181.	2.9	85
32	Multielectrode Bisensor System for Time-Resolved Monitoring of Ion Transport Across an Epithelial Cell Layer. <i>Analytical Chemistry</i> , 2014, 86, 390-394.	6.5	16
33	An analytical quality solid-state composite reference electrode. <i>Analyst, The</i> , 2013, 138, 5216.	3.5	44
34	Solid-Contact Ion-Selective Electrodes with Highly Selective Thioamide Derivatives of <i>p</i> - <i>tert</i> -Butylcalix[4]arene for the Determination of Lead(II) in Environmental Samples. <i>Analytical Chemistry</i> , 2013, 85, 1555-1561.	6.5	39
35	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
36	Nernst-Planck-Poisson Model for the Description of Behaviour of Solid-Contact Ion-Selective Electrodes at Low Analyte Concentration. <i>Electroanalysis</i> , 2013, 25, 133-140.	2.9	18

#	ARTICLE	IF	CITATIONS
37	Electrochemical Properties of the Poly(3,4-ethylenedioxythiophene) Doped with Taurine Ligands. <i>Electroanalysis</i> , 2013, 25, 195-203.	2.9	4
38	Direct Solid Contact in Reference Electrodes. , 2013, , 279-288.		4
39	Conducting Polymer-Based Reference Electrodes. , 2013, , 305-324.		0
40	Multielectrode potentiometry in a one-drop sample. <i>Electrochemistry Communications</i> , 2013, 34, 181-184.	4.7	21
41	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
42	Computer simulations of electrodiffusion problems based on Nernst-Planck and Poisson equations. <i>Computational Materials Science</i> , 2012, 63, 75-90.	3.0	29
43	Modeling Non Equilibrium Potentiometry and Electrochemical Impedance by NPP Model. <i>ECS Meeting Abstracts</i> , 2012, , .	0.0	0
44	Biomimetic membranes made of conducting polymers doped with adenosine diphosphate (ADP). <i>Electrochimica Acta</i> , 2012, 77, 23-28.	5.2	6
45	Novel Strategy for Finding the Optimal Parameters of Ion Selective Electrodes. <i>ECS Transactions</i> , 2011, 33, 19-29.	0.5	9
46	Electrochemical Impedance Spectroscopy (EIS) of ion sensors. <i>Journal of Electroanalytical Chemistry</i> , 2011, 662, 143-149.	3.8	21
47	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
48	Selectivity coefficients of ion-selective magnesium electrodes used for simultaneous determination of magnesium and calcium ions. <i>Talanta</i> , 2011, 87, 295-301.	5.5	13
49	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
50	Non-equilibrium potentiometry—the very essence. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 15-22.	2.5	30
51	Comparison of Multi-walled Carbon Nanotubes and Poly(3-octylthiophene) as Ion-to-Electron Transducers in All-Solid-State Potassium Ion-Selective Electrodes. <i>Electroanalysis</i> , 2011, 23, 1352-1358.	2.9	63
52	Ionic Liquid-Based, Liquid-Junction-Free Reference Electrode. <i>Electroanalysis</i> , 2011, 23, 1881-1890.	2.9	51
53	Comparison of different approaches to the description of the detection limit of ion-selective electrodes. <i>Electrochimica Acta</i> , 2010, 55, 6836-6848.	5.2	35
54	Development of miniature all-solid-state potentiometric sensing system. <i>Sensors and Actuators B: Chemical</i> , 2010, 146, 199-205.	7.8	80

#	ARTICLE	IF	CITATIONS
55	Electrochemical Behaviour of Poly(benzopyrene) Films Doped with Eriochrome Black T as a Pb <sup>2+</sup> -Sensitive Sensors. <i>Electroanalysis</i> , 2010, 22, 2794-2800.	2.9	25
56	Low cost, calibration-free sensors for in situ determination of natural water pollution. , 2010, , .		13
57	Determination of the leaching of polymeric ion-selective membrane components by stripping voltammetry. <i>Talanta</i> , 2010, 81, 1003-1009.	5.5	24
58	A study on lowering the detection limit with solid-state lead-selective electrodes. <i>Talanta</i> , 2010, 83, 436-440.	5.5	25
59	Diagnostic of functionality of polymer membrane based ion selective electrodes by impedance spectroscopy. <i>Analytical Methods</i> , 2010, 2, 1490.	2.7	43
60	Biomimetic study of the Ca <sup>2+</sup> -Mg <sup>2+</sup> and K <sup>+</sup> -Li <sup>+</sup> antagonism on biologically active sites: new methodology to study potential dependent ion exchange. <i>Magnesium Research</i> , 2009, 22, 10-20.	0.5	6
61	Modeling Non Equilibrium Potentiometry to Understand and Control Selectivity and Detection Limit. <i>ECS Transactions</i> , 2009, 19, 219-224.	0.5	5
62	Solid-Contact Reference Electrodes Based on Lipophilic Salts. <i>Electroanalysis</i> , 2009, 21, 1955-1960.	2.9	60
63	A miniaturized and integrated galvanic cell for the potentiometric measurement of ions in biological liquids. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 149-155.	2.5	8
64	New polyacrylate-based lead(II) ion-selective electrodes. <i>Mikrochimica Acta</i> , 2009, 164, 293-297.	5.0	21
65	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
66	Time-Dependent Phenomena in the Potential Response of Ion-Selective Electrodes Treated by the Nernst-Planck-Poisson Model. Part 2: Transmembrane Processes and Detection Limit. <i>Analytical Chemistry</i> , 2009, 81, 5016-5022.	6.5	39
67	Blood Glucose Point-of-Care Testing Quality Assessment and Harmonization With Central Laboratory Assays. <i>Point of Care</i> , 2009, 8, 82-86.	0.4	1
68	Biomimetic study of the Ca <sup>2+</sup> -Mg <sup>2+</sup> and K <sup>+</sup> -Li <sup>+</sup> antagonism on biologically active sites: new methodology to study potential dependent ion exchange. <i>Magnesium Research</i> , 2009, 22, 10-20.	0.5	2
69	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
70	Potentiometric Ion Sensors. <i>Chemical Reviews</i> , 2008, 108, 329-351.	47.7	813
71	Obtaining Nernstian Response of a Ca <sup>2+</sup> -Selective Electrode in a Broad Concentration Range by Tuned Galvanostatic Polarization. <i>Analytical Chemistry</i> , 2008, 80, 9181-9187.	6.5	48
72	IFCC Guideline for sampling, measuring and reporting ionized magnesium in plasma. <i>Clinical Chemistry and Laboratory Medicine</i> , 2008, 46, 21-6.	2.3	30

#	ARTICLE	IF	CITATIONS
73	Procedure 1 Measurement of ionized Mg <sup>2+</sup> in human blood by ion-selective electrode in automatic blood electrolyte analyzer. <i>Comprehensive Analytical Chemistry</i> , 2007, 49, e5-e11.	1.3	0
74	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
75	Chapter 1 Clinical analysis of blood gases and electrolytes by ion-selective sensors. <i>Comprehensive Analytical Chemistry</i> , 2007, , 5-24.	1.3	16
76	Numerical Method and Analysis of Consistency for Electrodiffusion Problem. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	1
77	Galvanic cell without liquid junction for potentiometric determination of copper. <i>Analytica Chimica Acta</i> , 2007, 594, 204-210.	5.4	11
78	Conducting polymers in modelling transient potential of biological membranes. <i>Bioelectrochemistry</i> , 2007, 71, 66-74.	4.6	17
79	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
80	Time-Dependent Phenomena in the Potential Response of Ion-selective Electrodes Treated by the Nernst-Planck-Poisson Model. 1. Intramembrane Processes and Selectivity. <i>Analytical Chemistry</i> , 2006, 78, 6783-6791.	6.5	58
81	Influence of morphology and topography on potentiometric response of magnesium and calcium sensitive PEDOT films doped with adenosine triphosphate (ATP). <i>Analytica Chimica Acta</i> , 2006, 555, 118-127.	5.4	22
82	EIS simulations for ion-selective site-based membranes by a numerical solution of the coupled Nernst-Planck-Poisson equations. <i>Electrochemistry Communications</i> , 2006, 8, 416-420.	4.7	44
83	Conducting polymer films as model biological membranes. <i>Electrochimica Acta</i> , 2006, 51, 2173-2181.	5.2	32
84	Response mechanism of potentiometric Ag <sup>+</sup> sensor based on poly(3,4-ethylenedioxythiophene) doped with silver hexabromocborane. <i>Journal of Electroanalytical Chemistry</i> , 2006, 593, 219-226.	3.8	54
85	Ion-selective electrode for measuring low Ca <sup>2+</sup> concentrations in the presence of high K <sup>+</sup> , Na <sup>+</sup> and Mg <sup>2+</sup> background. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 1477-1482.	3.7	40
86	The Influence of the Conditioning Procedure on Potentiometric Characteristics of Solid Contact Calcium-Selective Electrodes in Nanomolar Concentration Solutions. <i>Electroanalysis</i> , 2006, 18, 2232-2242.	2.9	32
87	Recommendation for measuring and reporting chloride by ISEs in undiluted serum, plasma or blood: International Federation of Clinical Chemistry and Laboratory Medicine (IFCC): IFCC Scientific Division, Committee on Point of Care Testing and Working Group on Selective Electrodes. <i>Clinical Chemistry and Laboratory Medicine</i> , 2006, 44, 346-52.	2.3	21
88	Approved IFCC recommendation on reporting results for blood glucose: International Federation of Clinical Chemistry and Laboratory Medicine Scientific Division, Working Group on Selective Electrodes and Point-of-Care Testing (IFCC-SD-WG-SEPOCT). <i>Clinical Chemistry and Laboratory Medicine</i> , 2006, 44, 1486-90.	2.3	113
89	Calcium ion-selective electrodes under galvanostatic current control. <i>Sensors and Actuators B: Chemical</i> , 2005, 108, 836-839.	7.8	46
90	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

#	ARTICLE	IF	CITATIONS
91	Approved IFCC Recommendation on Reporting Results for Blood Glucose (Abbreviated). <i>Clinical Chemistry</i> , 2005, 51, 1573-1576.	3.2	189
92	Guidelines for sampling, measuring and reporting ionized magnesium in undiluted serum, plasma or blood: International Federation of Clinical Chemistry and Laboratory Medicine (IFCC): IFCC Scientific Division, Committee on Point of Care Testing. <i>Clinical Chemistry and Laboratory Medicine</i> , 2005, 43, 564-9.	2.3	14
93	Junction-less reference electrode for potentiometric measurements obtained by buffering pH in a conducting polymer matrix. <i>Analyst, The</i> , 2005, 130, 637.	3.5	60
94	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
95	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
96	Factors Affecting the Potentiometric Response of All-Solid-State Solvent Polymeric Membrane Calcium-Selective Electrode for Low-Level Measurements. <i>Analytical Chemistry</i> , 2004, 76, 6410-6418.	6.5	78
97	Influence of anionic additive on Hg <sup>2+</sup> interference on Ag <sup>+</sup> -ISEs based on [2.2.2]p,p,p-cyclophane as neutral carrier. <i>Talanta</i> , 2004, 63, 135-138.	5.5	23
98	Small-volume radial flow cell for all-solid-state ion-selective electrodes. <i>Talanta</i> , 2004, 62, 57-63.	5.5	34
99	Title is missing!. <i>Russian Journal of Electrochemistry</i> , 2003, 39, 771-776.	0.9	1
100	Improved selectivity and detection limit of the carbonate-selective electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 524-526.	3.7	12
101	Magnesium and Calcium-Dependent Membrane Potential of Poly(Pyrrole) Films Doped with Adenosine Triphosphate. <i>Mikrochimica Acta</i> , 2003, 143, 177-185.	5.0	15
102	Potentiometric Ion Sensors Based on Conducting Polymers. <i>Electroanalysis</i> , 2003, 15, 366-374.	2.9	258
103	Potentiometric Ion Sensors Based on Conducting Polymers. <i>ChemInform</i> , 2003, 34, no.	0.0	0
104	Carbonate ion-selective electrode with reduced interference from salicylate. <i>Biosensors and Bioelectronics</i> , 2003, 18, 245-253.	10.1	23
105	Numerical Solution of the Coupled Nernst-Planck and Poisson Equations for Liquid Junction and Ion Selective Membrane Potentials. <i>Journal of Physical Chemistry B</i> , 2003, 107, 2443-2452.	2.6	149
106	Numerical Solution of the Coupled Nernst-Planck and Poisson Equations for Ion-Selective Membrane Potentials. <i>Materials Research Society Symposia Proceedings</i> , 2002, 752, 1.	0.1	1
107	Selectivity of Lithium Electrodes: A Correlation with Ion-Ionophore Complex Stability Constants and with Interfacial Exchange Current Densities. <i>Analytical Chemistry</i> , 2002, 74, 518-527.	6.5	50
108	Solid-contact ion-selective electrodes for aromatic cations based on $\pi$ -coordinating soft carriers. <i>Talanta</i> , 2002, 58, 341-349.	5.5	34

#	ARTICLE	IF	CITATIONS
109	Conventional and Solid-Contact Lithium-Selective Electrodes Based on Tris[(N,N-Dicyclohexylamide) Neutral Ionophore. <i>Electroanalysis</i> , 2002, 14, 551-555.	2.9	25
110	Silver Ion-Selective Electrodes Based on $\pi$ -Coordinating Ionophores Without Heteroatoms. <i>Electroanalysis</i> , 2002, 14, 1353-1357.	2.9	24
111	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
112	Kinetics of electron transfer between $\text{Fe}(\text{CN})_6^{3-/4-}$ and poly(3,4-ethylenedioxythiophene) studied by electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , 2002, 47, 2245-2251.	5.2	88
113	IFCC recommendation on reporting results for blood glucose. <i>Clinica Chimica Acta</i> , 2001, 307, 205-209.	1.1	98
114	Application of Nernst-Planck and Poisson equations for interpretation of liquid-junction and membrane potentials in real-time and space domains. <i>Electrochemistry Communications</i> , 2001, 3, 107-112.	4.7	108
115	All-Solid-State $\text{Ag}^+$ -ISE Based on [2.2.2]p,p,p-Cyclophane. <i>Electroanalysis</i> , 2001, 13, 723-726.	2.9	33
116	Potentiometric Performance and Interfacial Kinetics of Neutral Ionophore Based ISE Membranes in Interfering Ion Solutions Before and After Contact with Primary Ions. <i>Electroanalysis</i> , 2001, 13, 876-881.	2.9	26
117	Determination of $\text{Na}^+$ , $\text{K}^+$ , $\text{Ca}^{2+}$ , and $\text{Cl}^-$ Ions in Wood Pulp Suspension Using Ion-Selective Electrodes. <i>Electroanalysis</i> , 2001, 13, 1119-1124.	2.9	18
118	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
119	IFCC Reference Measurement Procedure for Substance Concentration Determination of Total Carbon Dioxide in Blood, Plasma or Serum. <i>Clinical Chemistry and Laboratory Medicine</i> , 2001, 39, 283-8.	2.3	9
120	The Evaluation of Analytical Performance of the Precision G Point-of-Care Glucometer. <i>Clinical Chemistry and Laboratory Medicine</i> , 2001, 39, 1283-6.	2.3	14
121	Coupled Redox and pH Potentiometric Responses of Electrodes Coated with Polypyrrole. <i>Analytical Letters</i> , 2000, 33, 1339-1360.	1.8	9
122	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
123	Potentiometric selectivity of p-doped polymer films. <i>Analytica Chimica Acta</i> , 2000, 406, 159-169.	5.4	42
124	IFCC Recommended Reference Method for the Determination of the Substance Concentration of Ionized Calcium in Undiluted Serum, Plasma or Whole Blood. <i>Clinical Chemistry and Laboratory Medicine</i> , 2000, 38, 1301-14.	2.3	38
125	Recommendations for Measurement of and Conventions for Reporting Sodium and Potassium by Ion-Selective Electrodes in Undiluted Serum, Plasma or Whole Blood. <i>Clinical Chemistry and Laboratory Medicine</i> , 2000, 38, 1065-1071.	2.3	75
126	Use of Ion-Selective Electrodes for Blood-Electrolyte Analysis. Recommendations for Nomenclature, Definitions and Conventions. <i>Clinical Chemistry and Laboratory Medicine</i> , 2000, 38, 363-70.	2.3	69

#	ARTICLE	IF	CITATIONS
127	Magnesium. <i>Clinica Chimica Acta</i> , 2000, 294, 1-26.	1.1	1,169
128	Interferences in a polypyrrole-based amperometric ammonia sensor. <i>Talanta</i> , 2000, 52, 269-275.	5.5	43
129	Polypyrrole-calcion film as a membrane and solid-contact in an indicator electrode for potentiometric titrations. <i>Talanta</i> , 2000, 52, 319-328.	5.5	40
130	Modeling of Divalent/Monovalent Ion Selectivity of Ion-Exchanger-Based Solvent Polymeric Membranes Doped with Coexchanger. <i>Analytical Chemistry</i> , 2000, 72, 4965-4972.	6.5	26
131	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
132	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
133	Ion sensors: current limits and new trends. <i>Analytica Chimica Acta</i> , 1999, 393, 11-18.	5.4	114
134	Electrochemical deposition and properties of polypyrrole films doped with calcion ligands. <i>Analytica Chimica Acta</i> , 1999, 395, 65-75.	5.4	33
135	Nonclassical Potentiometric Indicator Electrodes with Dual Sensitivity. <i>Electroanalysis</i> , 1999, 11, 735-743.	2.9	20
136	Contribution of the Diffusion Potential to the Membrane Potential and to the Ion-Selective Electrode Response. <i>Electroanalysis</i> , 1999, 11, 793-798.	2.9	36
137	All-Solid-State Chloride-Selective Electrode Based on Poly(3-octylthiophene) and Tridodecylmethylammonium Chloride. <i>Electroanalysis</i> , 1999, 11, 821-824.	2.9	40
138	Optimization of a Reference Electrode with Constrained Liquid Junction for the Measurements of Ions. <i>Electroanalysis</i> , 1999, 11, 632-636.	2.9	7
139	Optimization of a Reference Electrode with Constrained Liquid Junction for the Measurements of Ions. <i>Electroanalysis</i> , 1999, 11, 632-636.	2.9	1
140	Study on soluble polypyrrole as a component in all-solid-state ion-sensors. <i>Electrochimica Acta</i> , 1998, 43, 3503-3509.	5.2	35
141	Improvement of potentiometric selectivity of ion-exchanger based membranes doped with co-exchanger: Origin of the effect. <i>Sensors and Actuators B: Chemical</i> , 1998, 48, 344-350.	7.8	25
142	Modeling Potentiometric Sensitivity of Conducting Polymers. <i>Analytical Chemistry</i> , 1997, 69, 4060-4064.	6.5	60
143	Carbonate ion selective electrodes with trifluoroacetophenone derivatives in potentiometric clinical analyser. <i>Talanta</i> , 1997, 44, 1641-1647.	5.5	21
144	Metallic and non-metallic redox response of conducting polymers. <i>Journal of Electroanalytical Chemistry</i> , 1997, 430, 243-252.	3.8	31

#	ARTICLE	IF	CITATIONS
145	All-Solid-State Potentiometric Sensors for Potassium and Sodium Based on Poly(pyrrole) Solid Contact. <i>Microchemical Journal</i> , 1997, 57, 59-64.	4.5	71
146	A polypyrrole-based amperometric ammonia sensor. <i>Talanta</i> , 1996, 43, 125-134.	5.5	81
147	Observations on the behaviour of some trifluoroacetophenone derivatives as neutral carriers for carbonate ion-selective electrodes. <i>Analyst, The</i> , 1996, 121, 133-138.	3.5	29
148	Impedance spectroscopic study on single-piece all-solid-state calcium-selective electrode based on polyaniline. <i>Analyst, The</i> , 1996, 121, 1823.	3.5	35
149	Flow injection amperometric detection of ammonia using a polypyrrole-modified electrode and its application in urea and creatinine biosensors. <i>Electroanalysis</i> , 1996, 8, 233-243.	2.9	45
150	Conducting polymer-based ion-selective electrodes. <i>Analytica Chimica Acta</i> , 1996, 322, 141-149.	5.4	108
151	Lactate solid-state biosensor with multilayer of electrodeposited polymers for flow-injection clinical analysis. <i>Biosensors and Bioelectronics</i> , 1996, 11, 1155-1165.	10.1	10
152	Electric potential measured, concentration reported: How to get mmols from mV. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 1996, 56, 135-139.	1.2	10
153	Single-piece all-solid-state ion-selective electrode. <i>Analytical Chemistry</i> , 1995, 67, 3819-3823.	6.5	173
154	Design and pitfalls of ion selective electrodes. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 1994, 54, 11-19.	1.2	18
155	Preface to the First International Workshop on Unique Magnesium-Sensitive Ion Selective Electrodes. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 1994, 54, 2-2.	1.2	1
156	Electrochemical behaviour of polypyrrole film polymerized in indigo carmine solution. <i>Electrochimica Acta</i> , 1994, 39, 755-762.	5.2	46
157	Observed redox interferences of poly(pyrrole)-based perchlorate-selective electrodes. <i>Electroanalysis</i> , 1994, 6, 604-605.	2.9	30
158	Evaluation of a new solid-state reference electrode junction material for ion-selective electrodes. <i>Electroanalysis</i> , 1994, 6, 962-971.	2.9	36
159	Mechanism of ionic and redox sensitivity of p-type conducting polymers. <i>Journal of Electroanalytical Chemistry</i> , 1994, 368, 23-31.	3.8	105
160	Mechanism of ionic and redox sensitivity of p-type conducting polymers. <i>Journal of Electroanalytical Chemistry</i> , 1994, 368, 33-41.	3.8	112
161	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
162	All solid-state hydrogen ion-selective electrode based on a conducting poly(pyrrole) solid contact. <i>Analyst, The</i> , 1994, 119, 2417.	3.5	102

#	ARTICLE	IF	CITATIONS
163	Enzymatic flow-injection determination of urea in blood serum using potentiometric gas sensor with internal nonactin based ISE. <i>Talanta</i> , 1994, 41, 1229-1236.	5.5	11
164	Bifunctionality of chemical sensors based on the conducting polymer polypyrrole. <i>Talanta</i> , 1994, 41, 323-325.	5.5	41
165	Electrochemical properties of polypyrrole films polymerized in the presence of Methylene Blue. <i>Synthetic Metals</i> , 1994, 62, 117-123.	3.9	14
166	Characterization, Standardization and Experiences with Kone Ise for Mg. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 1994, 54, 37-43.	1.2	13
167	Amperometric Glucose Biosensor for an Undiluted Whole-Blood Analysis.. <i>Analytical Sciences</i> , 1994, 10, 423-428.	1.6	1
168	Design and pitfalls of ion selective electrodes. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 1994, 54, 11-19.	1.2	11
169	Characterization, Standardization and Experiences with Kone Ise for Mg. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 1994, 54, 37-43.	1.2	10
170	Ion-selective electrode control based on coulometrically determined stability constants of biologically important calcium and magnesium complexes. <i>Analytica Chimica Acta</i> , 1993, 273, 493-497.	5.4	16
171	Study of polypyrrole film as redox electrode. <i>Electroanalysis</i> , 1993, 5, 261-263.	2.9	41
172	Ionized and total magnesium level in blood serum and plasma of healthy and ill adults. <i>Electroanalysis</i> , 1993, 5, 713-717.	2.9	15
173	Studies of quaternary ammonium ion interference on potassium ion-selective electrodes. <i>Fresenius' Journal of Analytical Chemistry</i> , 1993, 346, 577-579.	1.5	6
174	Potentiometric response of poly(3-octylthiophene), poly(3-methylthiophene) and polythiophene in aqueous solutions. <i>Talanta</i> , 1993, 40, 1437-1444.	5.5	41
175	Anionic responses of electrochemically synthesized polypyrrole films. <i>Talanta</i> , 1992, 39, 617-620.	5.5	66
176	All-solid-state sodium-selective electrode based on a calixarene ionophore in a poly(vinyl chloride) membrane with a polypyrrole solid contact. <i>Analytical Chemistry</i> , 1992, 64, 2496-2501.	6.5	402
177	Sensors and signals. <i>Analytical Proceedings</i> , 1991, 28, 102.	0.4	9
178	Application of ion-selective electrodes in clinical analysis. <i>Electroanalysis</i> , 1991, 3, 727-734.	2.9	81
179	Potentiometric method for the determination of calcium in blood serum. <i>Analytica Chimica Acta</i> , 1990, 233, 269-273.	5.4	11
180	Electrochemical measurements in clinical chemistry. <i>Fresenius' Journal of Analytical Chemistry</i> , 1990, 337, 518-521.	1.5	3

#	ARTICLE	IF	CITATIONS
181	Analytical chemistry; the science of many models. <i>Fresenius' Journal of Analytical Chemistry</i> , 1990, 338, 225-233.	1.5	9
182	Elimination of interferences in flow-injection amperometric determination of glucose in blood serum using immobilized glucose oxidase. <i>Electroanalysis</i> , 1990, 2, 607-615.	2.9	19
183	Fully automated potentiometric determination of ionized magnesium in blood serum. <i>Analytica Chimica Acta</i> , 1990, 236, 331-335.	5.4	54
184	Potentiometric Determination of Copper in Various Plating Baths. , 1990, , 145-148.		0
185	Side effects in measurements of selectivity coefficients of solid state ion selective electrodes. <i>Mikrochimica Acta</i> , 1988, 96, 119-129.	5.0	11
186	Response mechanism of solid-state ion-selective electrodes in the presence of interfering ions. <i>Analytical Chemistry</i> , 1987, 59, 1539-1544.	6.5	50
187	Is Analytical Chemistry an autonomous field of science?. <i>Fresenius Zeitschrift für Analytische Chemie</i> , 1987, 326, 308-313.	0.8	9
188	Single-point titration of metal ions and ligands by measuring change in pH. <i>Talanta</i> , 1986, 33, 739-742.	5.5	4
189	The study of titration conditions in the aluminium and beryllium-fluoride systems. <i>Mikrochimica Acta</i> , 1985, 87, 253-264.	5.0	5
190	Anionic interferences with copper ion-selective electrodes chloride and bromide interferences. <i>Talanta</i> , 1985, 32, 531-537.	5.5	33
191	Effect of some chelating ligands on the potential response of the chalcocite copper ion-selective electrode. <i>Analytica Chimica Acta</i> , 1984, 158, 343-355.	5.4	25
192	Variability of selectivity coefficients of solid-state ion-selective electrodes. <i>Talanta</i> , 1982, 29, 671-674.	5.5	15
193	Electrodissolution of synthetic covellite in hydrochloric acid. <i>Journal of Applied Electrochemistry</i> , 1982, 12, 369-376.	2.9	20
194	Anodic dissolution of copper(II) sulphide. <i>Surface Technology</i> , 1981, 12, 265-268.	0.4	1
195	Model for treatment of selectivity coefficients for solid-state ion-selective electrodes. <i>Analytical Chemistry</i> , 1981, 53, 1401-1405.	6.5	86
196	The mechanism of the potential response of bromide-selective electrodes based on mercury salts. <i>Analytica Chimica Acta</i> , 1979, 110, 197-202.	5.4	12
197	Behaviour of iodide-selective electrodes at low concentrations of iodide. <i>Analytica Chimica Acta</i> , 1979, 107, 121-128.	5.4	36
198	Interpretation of selectivity coefficients of solid-state ion-selective electrodes by means of the diffusion-layer model. <i>Talanta</i> , 1977, 24, 171-175.	5.5	54

#	ARTICLE	IF	CITATIONS
199	Elimination of ionic interferences in the determination of sulphates in water using the lead-sensitive ion-selective electrode. <i>Analyst, The</i> , 1976, 101, 939.	3.5	15
200	Diffusion-layer model for copper solid-state chalcocite membrane electrode; sensitivity to copper(II) ions. <i>Talanta</i> , 1976, 23, 661-665.	5.5	51
201	Diffusion Transport in Electrochemical Systems: A New Approach to Determining of the Membrane Potential at Steady State. <i>Defect and Diffusion Forum</i> , 0, 283-286, 487-493.	0.4	4