

Magdalena Maj-Zurawska

List of Publications by Year in descending order

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40
papers

1,250
citations

304743

22
h-index

361022

35
g-index

41
all docs

41
docs citations

41
times ranked

877
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the Detection Limit of Anion-Selective Electrodes: An Iodide-Selective Membrane with a Nanomolar Detection Limit. <i>Analytical Chemistry</i> , 2003, 75, 3865-3871.	6.5	113
2	Application of ion-selective electrodes in clinical analysis. <i>Electroanalysis</i> , 1991, 3, 727-734.	2.9	81
3	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
4	All-Solid-State Calcium Solvent Polymeric Membrane Electrode for Low-Level Concentration Measurements. <i>Analytical Chemistry</i> , 2003, 75, 141-144.	6.5	67
5	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
6	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
7	Fully automated potentiometric determination of ionized magnesium in blood serum. <i>Analytica Chimica Acta</i> , 1990, 236, 331-335.	5.4	54
8	Determination of true selectivity coefficients of neutral carrier calcium selective electrode. <i>Mikrochimica Acta</i> , 1991, 103, 285-291.	5.0	53
9	Effect of a plasticizer on the detection limit of calcium-selective electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2002, 537, 111-118.	3.8	52
10	Calcium ion-selective electrodes under galvanostatic current control. <i>Sensors and Actuators B: Chemical</i> , 2005, 108, 836-839.	7.8	46
11	DNA-based electrochemical biosensors for monitoring of bis-indoles as potential antitumoral agents, chemistry, X-ray crystallography. <i>Bioelectrochemistry</i> , 2006, 69, 1-9.	4.6	40
12	Ion-selective electrode for measuring low Ca ²⁺ concentrations in the presence of high K ⁺ , Na ⁺ and Mg ²⁺ background. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 1477-1482.	3.7	40
13	Ionized magnesium in erythrocytes—the best magnesium parameter to observe hypo- or hypermagnesemia. <i>Clinica Chimica Acta</i> , 2004, 349, 67-73.	1.1	36
14	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
15	Magnesium selective electrodes for blood serum studies and water hardness measurement. <i>Mikrochimica Acta</i> , 1988, 96, 283-290.	5.0	31
16	Determination of magnesium and calcium in water with ion-selective electrodes. <i>Analytica Chimica Acta</i> , 1989, 218, 47-59.	5.4	30
17	Optimization of the Composition of Interfaces in Miniature Planar Chloride Electrodes. <i>Electroanalysis</i> , 2003, 15, 1314-1318.	2.9	30
18	The effect of the solvent in the nitrate-selective electrode. <i>Analytica Chimica Acta</i> , 1978, 98, 151-155.	5.4	29

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19	Observations on the behaviour of some trifluoroacetophenone derivatives as neutral carriers for carbonate ion-selective electrodes. <i>Analyst</i> , The, 1996, 121, 133-138.	3.5	29
20	Carbonate ion-selective electrode with reduced interference from salicylate. <i>Biosensors and Bioelectronics</i> , 2003, 18, 245-253.	10.1	23
21	Miniature planar chloride electrodes. <i>Sensors and Actuators B: Chemical</i> , 2005, 108, 840-844.	7.8	22
22	Carbonate ion selective electrodes with trifluoroacetophenone derivatives in potentiometric clinical analyser. <i>Talanta</i> , 1997, 44, 1641-1647.	5.5	21
23	Clinical Findings on Human Blood with the KONE ISE for Mg ²⁺ . <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 1994, 54, 69-76.	1.2	17
24	Effect of the platinum surface on the potential of nitrate-selective electrodes without internal solution. <i>Analytica Chimica Acta</i> , 1982, 136, 395-398.	5.4	16
25	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
26	Ionized and total magnesium level in blood serum and plasma of healthy and III adults. <i>Electroanalysis</i> , 1993, 5, 713-717.	2.9	15
27	The new methods of determination of Mg ²⁺ , Ca ²⁺ , Na ⁺ and K ⁺ ions in erythrocytes by ion selective electrodes. <i>Sensors and Actuators B: Chemical</i> , 2005, 108, 828-831.	7.8	15
28	Ionized magnesium in plasma and erythrocytes for the assessment of low magnesium status in alcohol dependent patients. <i>Drug and Alcohol Dependence</i> , 2017, 178, 271-276.	3.2	15
29	Electrochemical DNA Biosensor for Testing Pentamidine and Its Analogues as Potential Chemotherapeutics. <i>Electroanalysis</i> , 2006, 18, 1422-1430.	2.9	13
30	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
31	Comparison of the Potentiometric, ³¹ P NMR, and Zero-Point Titration Methods of Determining Ionized Magnesium in Erythrocytes. <i>Analytical Biochemistry</i> , 2002, 302, 220-223.	2.4	12
32	Improved selectivity and detection limit of the carbonate-selective electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 524-526.	3.7	12
33	Determination of ionized magnesium in erythrocytes using a potentiometric analyzer. <i>Analytica Chimica Acta</i> , 2001, 448, 251-256.	5.4	9
34	Clinical Findings on Human Blood with the Kone ISE for Mg ²⁺ . <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 1994, 54, 69-76.	1.2	9
35	Biomimetic study of the Ca ²⁺ -Mg ²⁺ and K ⁺ -Li ⁺ antagonism on biologically active sites: new methodology to study potential dependent ion exchange. <i>Magnesium Research</i> , 2009, 22, 10-20.	0.5	6
36	Phase Transition Detection in Accumulation of a Potential Anticancer Drug Cl-IPBD with DNA: Supercoiled and Linear pUC19 Plasmids. <i>Electrochimica Acta</i> , 2016, 210, 422-434.	5.2	5

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37	Voltammetric and Spectrophotometric Studies on DNA Interacting with Daunorubicin and its Amidino Derivatives. <i>Electroanalysis</i> , 2017, 29, 172-181.	2.9	5
38	Supercoiled and linear plasmid DNAs interactions with methylene blue. <i>Bioelectrochemistry</i> , 2013, 92, 32-41.	4.6	3
39	Level of magnesium in psychiatry – What is the cause of ambiguous results?. <i>General Hospital Psychiatry</i> , 2018, 51, 136.	2.4	2
40	Electrochemical characterization of LHCII on graphite electrodes – Potential-dependent photoactivation and arrangement of complexes. <i>Bioelectrochemistry</i> , 2019, 127, 37-48.	4.6	1