

Andrey Legin

List of Publications by Year in Descending Order

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

203
papers

5,447
citations

43
h-index

65
g-index

219
ext. papers

6,003
ext. citations

5.1
avg. IF

5.43
L-index

#	Paper	IF	Citations
203	Prediction of Carbonate Selectivity of PVC-Plasticized Sensor Membranes with Newly Synthesized Ionophores through QSPR Modeling. <i>Chemosensors</i> , 2022 , 10, 43	4	0
202	Nonlinear Multivariate Regression Algorithms for Improving Precision of Multisensor Potentiometry in Analysis of Spent Nuclear Fuel Reprocessing Solutions. <i>Chemosensors</i> , 2022 , 10, 90	4	1
201	Neural Networks Based Fluorescence and Electrochemistry Dual-modal Sensor for Sensitive and Precise Detection of Cadmium and Lead Simultaneously. <i>Sensors and Actuators B: Chemical</i> , 2022 , 131922	8.5	0
200	Molecular Emitters as a Tunable Light Source for Optical Multisensor Systems. <i>Chemistry Proceedings</i> , 2021 , 5, 5		
199	A Pencil-Drawn Electronic Tongue for Environmental Applications. <i>Sensors</i> , 2021 , 21,	3.8	2
198	One shot evaluation of NPK in soils by "Electronic tongue" <i>Computers and Electronics in Agriculture</i> , 2021 , 186, 106208	6.5	3
197	Low-cost optical sensor for real-time blood loss monitoring during transurethral surgery. <i>Optik</i> , 2021 , 228, 166148	2.5	1
196	A Novel Multi-Ionophore Approach for Potentiometric Analysis of Lanthanide Mixtures. <i>Chemosensors</i> , 2021 , 9, 23	4	2
195	On the Radiolytic Stability of Potentiometric Sensors with Plasticized Polymeric Membranes. <i>Chemosensors</i> , 2021 , 9, 214	4	1
194	Development of QDs-based nanosensors for heavy metal detection: A review on transducer principles and in-situ detection. <i>Talanta</i> , 2021 , 122903	6.2	4
193	Multiplexed all-solid-state ion-sensitive light-addressable potentiometric sensor (ISLAPS) system based on silicone-rubber for physiological ions detection. <i>Analytica Chimica Acta</i> , 2021 , 1179, 338603	6.6	4
192	Cu(II)-based molecular emitters for quantification of fluoride and phosphate in surface waters. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 184, 109976	4.6	1
191	Developing non-invasive bladder cancer screening methodology through potentiometric multisensor urine analysis. <i>Talanta</i> , 2021 , 234, 122696	6.2	5
190	Developing potentiometric sensors for scandium. <i>Sensors and Actuators B: Chemical</i> , 2021 , 348, 130699	8.5	1
189	A multi-channel handheld automatic spectrometer for wide range and on-site detection of okadaic acid based on specific aptamer binding. <i>Analytical Methods</i> , 2021 , 13, 4345-4353	3.2	1
188	Real-Time Water Quality Monitoring with Chemical Sensors. <i>Sensors</i> , 2020 , 20,	3.8	42
187	Plutonium (IV) Quantification in Technologically Relevant Media Using Potentiometric Sensor Array. <i>Sensors</i> , 2020 , 20,	3.8	4

186	Distinguishing paracetamol formulations: Comparison of potentiometric "Electronic Tongue" with established analytical techniques. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 188, 113457	3.5	1
185	Potentiometric E-Tongue System for Geosmin/Isoborneol Presence Monitoring in Drinkable Water. <i>Sensors</i> , 2020 , 20,	3.8	10
184	On the potential and limitations of multivariate curve resolution in Mössbauer spectroscopic studies. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020 , 198, 103941	3.8	1
183	Cyclometalated Ir(III) complexes as tuneable multiband light sources for optical multisensor systems: Feasibility study. <i>Dyes and Pigments</i> , 2020 , 180, 108428	4.6	3
182	Quality Control of Heparin Injections: Comparison of Four Established Methods. <i>Analytical Sciences</i> , 2020 , 36, 1467-1472	1.7	3
181	Quantification of thorium and uranium in real process streams of Mayak radiochemical plant using potentiometric multisensor array. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020 , 323, 605-612	1.5	3
180	QSPR Modeling of Potentiometric Mg ²⁺ /Ca ²⁺ Selectivity for PVC-plasticized Sensor Membranes. <i>Electroanalysis</i> , 2020 , 32, 792-798	3	4
179	Identification of plastic toys contaminated with volatile organic compounds using QCM gas sensor array. <i>Talanta</i> , 2020 , 211, 120701	6.2	10
178	Non-invasive prostate cancer screening using chemometric processing of macro and trace element concentration profiles in urine. <i>Microchemical Journal</i> , 2020 , 159, 105464	4.8	2
177	Calibration Transfer for LED-Based Optical Multisensor Systems. <i>ACS Sensors</i> , 2020 , 5, 2587-2595	9.2	4
176	Prostate cancer screening using chemometric processing of GC-MS profiles obtained in the headspace above urine samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1155, 122298	3.2	8
175	A novel smartphone-based CD-spectrometer for high sensitive and cost-effective colorimetric detection of ascorbic acid. <i>Analytica Chimica Acta</i> , 2020 , 1093, 150-159	6.6	36
174	Modified Diamide and Phosphine Oxide Extracting Compounds as Membrane Components for Cross-Sensitive Chemical Sensors. <i>Chemosensors</i> , 2019 , 7, 41	4	3
173	Feasibility study of Mössbauer spectroscopy as a tool to explore PVC-plasticized potentiometric sensor membranes. <i>Sensors and Actuators B: Chemical</i> , 2019 , 298, 126880	8.5	1
172	Avoiding nonsense in electronic taste sensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 121, 115675	14.6	8
171	QSPR modeling of potentiometric sensitivity towards heavy metal ions for polymeric membrane sensors. <i>Sensors and Actuators B: Chemical</i> , 2019 , 301, 126941	8.5	7
170	MnO nanosheets as the biomimetic oxidase for rapid and sensitive oxalate detection combining with bionic E-eye. <i>Biosensors and Bioelectronics</i> , 2019 , 130, 254-261	11.8	25
169	In vivo and in vitro application of near-infrared fiber optic probe for Ehrlich carcinoma distinction: Towards the development of real-time tumor margins assessment tool. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 213, 12-18	4.4	1

168	Rapid Evaluation of Integral Quality and Safety of Surface and Waste Waters by a Multisensor System (Electronic Tongue). <i>Sensors</i> , 2019 , 19,	3.8	8
167	A Simple Procedure to Assess Limit of Detection for Multisensor Systems. <i>Sensors</i> , 2019 , 19,	3.8	20
166	Potentiometric multisensor system as a possible simple tool for non-invasive prostate cancer diagnostics through urine analysis. <i>Sensors and Actuators B: Chemical</i> , 2019 , 289, 42-47	8.5	15
165	Potentiometric multisensor system for tetra- and hexavalent actinide quantification in complex rare earth metal mixtures related to spent nuclear fuel reprocessing. <i>Sensors and Actuators B: Chemical</i> , 2019 , 288, 155-162	8.5	8
164	Response Standardization for Drift Correction and Multivariate Calibration Transfer in "Electronic Tongue" Studies. <i>Methods in Molecular Biology</i> , 2019 , 2027, 181-194	1.4	2
163	Towards an optical multisensor system for dairy: Global calibration for fat analysis in homogenized milk. <i>Microchemical Journal</i> , 2019 , 149, 104012	4.8	5
162	Electronic Tongues for Inedible Media. <i>Sensors</i> , 2019 , 19,	3.8	12
161	Continuous monitoring of water quality at aeration plant with potentiometric sensor array. <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 854-860	8.5	12
160	Determination of three quality parameters in vegetable oils using potentiometric e-tongue. <i>Journal of Food Composition and Analysis</i> , 2019 , 75, 75-80	4.1	21
159	Signal Smoothing with PLS Regression. <i>Analytical Chemistry</i> , 2018 , 90, 5959-5964	7.8	4
158	Application of chemometric methods to XRF-data - A tutorial review. <i>Analytica Chimica Acta</i> , 2018 , 1040, 19-32	6.6	58
157	Recent advances in magnesium assessment: From single selective sensors to multisensory approach. <i>Talanta</i> , 2018 , 179, 430-441	6.2	19
156	Quantification of immobilized protein in pharmaceutical production by bio-assisted potentiometric multisensor system. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 150, 67-71	3.5	5
155	Topological Data Analysis of Potentiometric Multisensor Measurements in Treated Wastewater. <i>Journal of Analysis and Testing</i> , 2018 , 2, 291-298	3.2	
154	Electronic Tongue for Brand Uniformity Control: A Case Study of Apulian Red Wines Recognition and Defects Evaluation. <i>Sensors</i> , 2018 , 18,	3.8	14
153	Indirect monitoring of protein A biosynthesis in E.coli using potentiometric multisensor system. <i>Sensors and Actuators B: Chemical</i> , 2017 , 238, 1159-1164	8.5	9
152	Multivariate calibration transfer between two different types of multisensor systems. <i>Sensors and Actuators B: Chemical</i> , 2017 , 246, 994-1000	8.5	17
151	Measurements of the effects of wine maceration with oak chips using an electronic tongue. <i>Food Chemistry</i> , 2017 , 229, 20-27	8.5	26

150	Calibration transfer between different analytical methods. <i>Talanta</i> , 2017 , 170, 457-463	6.2	15
149	Enzymatic determination of urinary citrate based on flow injection system using NUV spectroscopy and PLS regression. <i>Sensors and Actuators B: Chemical</i> , 2017 , 251, 1050-1058	8.5	2
148	Sample-in-waveguide geometry for TXRF sensitivity improvement. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 1224-1228	3.7	1
147	A simple design atomic emission spectrometer combined with multivariate image analysis for the determination of sodium content in urine. <i>Analytical Methods</i> , 2017 , 9, 3237-3243	3.2	6
146	UV-Vis spectroscopy with chemometric data treatment: an option for on-line control in nuclear industry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017 , 312, 461-470	1.5	19
145	Microwave-Assisted Development of Orally Disintegrating Tablets by Direct Compression. <i>AAPS PharmSciTech</i> , 2017 , 18, 2055-2066	3.9	9
144	Critical view on drug dissolution in artificial saliva: A possible use of in-line e-tongue measurements. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 99, 266-271	5.1	11
143	Multivariate Calibration Transfer between two Potentiometric Multisensor Systems. <i>Electroanalysis</i> , 2017 , 29, 2161-2166	3	7
142	Systematic approach in Mg ions analysis with a combination of tailored fluorophore design. <i>Analytica Chimica Acta</i> , 2017 , 988, 96-103	6.6	13
141	Raman transduction for polymeric ion-selective sensor membranes: Proof of concept study. <i>Sensors and Actuators B: Chemical</i> , 2017 , 253, 697-702	8.5	1
140	Three-point multivariate calibration models by correlation constrained MCR-ALS: A feasibility study for quantitative analysis of complex mixtures. <i>Talanta</i> , 2017 , 163, 39-47	6.2	19
139	Extending electronic tongue calibration lifetime through mathematical drift correction: Case study of microcystin toxicity analysis in waters. <i>Sensors and Actuators B: Chemical</i> , 2016 , 237, 962-968	8.5	24
138	Determination of Citric Acid in Urine by Enzymatic Flow Injection System Based on a Novel Microfluidic Chip. <i>Procedia Chemistry</i> , 2016 , 20, 52-55		
137	1,10-Phenanthroline-2,9-dicarboxamides as ligands for separation and sensing of hazardous metals. <i>RSC Advances</i> , 2016 , 6, 68642-68652	3.7	42
136	Electronic tongue for microcystin screening in waters. <i>Biosensors and Bioelectronics</i> , 2016 , 80, 154-160	11.8	32
135	An approach to potentiometric sensing of sugars: Baker's yeast assisted pH electrode. <i>Sensors and Actuators B: Chemical</i> , 2016 , 225, 209-212	8.5	7
134	Exploring bitterness of traditional Chinese medicine samples by potentiometric electronic tongue and by capillary electrophoresis and liquid chromatography coupled to UV detection. <i>Talanta</i> , 2016 , 152, 105-111	6.2	16
133	Non-silicon MEMS platforms for gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2016 , 224, 700-713	8.5	59

132	Monitoring of Fermentation and Biotechnological Processes 2016 , 225-233		2
131	Bio-assisted potentiometric multisensor system for purity evaluation of recombinant protein A. <i>Talanta</i> , 2016 , 156-157, 87-94	6.2	3
130	Determination of the toxicity of herb preparations of the traditional Chinese medicine with a multisensor system. <i>Russian Journal of Applied Chemistry</i> , 2015 , 88, 72-81	0.8	3
129	Development of label-free impedimetric platform based on new conductive polyaniline polymer and three-dimensional interdigitated electrode array for biosensor applications. <i>Electrochimica Acta</i> , 2015 , 173, 59-66	6.7	16
128	Two low-cost digital camera-based platforms for quantitative creatinine analysis in urine. <i>Analytica Chimica Acta</i> , 2015 , 895, 71-9	6.6	25
127	Improving precision of X-ray fluorescence analysis of lanthanide mixtures using partial least squares regression. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015 , 113, 126-131	3.1	17
126	The light modulation of the interaction of l-cysteine with porphyrins coated ZnO nanorods. <i>Sensors and Actuators B: Chemical</i> , 2015 , 209, 613-621	8.5	11
125	Water pollution monitoring by an artificial sensory system performing in terms of <i>Vibrio fischeri</i> bacteria. <i>Sensors and Actuators B: Chemical</i> , 2015 , 207, 1069-1075	8.5	21
124	A Tool for General Quality Assessment of Black Tea Retail Price Prediction by an Electronic Tongue. <i>Food Analytical Methods</i> , 2015 , 8, 1088-1092	3.4	8
123	Determination of urine ionic composition with potentiometric multisensor system. <i>Talanta</i> , 2015 , 131, 556-61	6.2	36
122	Additive Technologies for Ceramic MEMS Sensors. <i>Procedia Engineering</i> , 2015 , 120, 1087-1090		7
121	Independent comparison study of six different electronic tongues applied for pharmaceutical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 114, 321-9	3.5	38
120	Restoring important process information from complex optical spectra with MCR-ALS: Case study of actinide reduction in spent nuclear fuel reprocessing. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015 , 146, 241-249	3.8	9
119	Generation of characteristic profiles of steroid hormones by reversed-phase HPLC. <i>Journal of Analytical Chemistry</i> , 2014 , 69, 200-204	1.1	1
118	A combination of dynamic measurement protocol and advanced data treatment to resolve the mixtures of chemically similar analytes with potentiometric multisensor system. <i>Talanta</i> , 2014 , 119, 226-311	6.2	5
117	A sample-effective calibration design for multiple components. <i>Analyst, The</i> , 2014 , 139, 4303-9	5	17
116	Determination of the integral toxicity of water in terms of biotesting with a multisensor system sensitive to individual toxicants. <i>Russian Journal of Applied Chemistry</i> , 2014 , 87, 412-418	0.8	4
115	Multivariate processing of atomic-force microscopy images for detection of the response of plasticized polymeric membranes. <i>Russian Journal of Applied Chemistry</i> , 2014 , 87, 307-314	0.8	2

114	On the application of simple matrix methods for electronic tongue data processing: Case study with black tea samples. <i>Sensors and Actuators B: Chemical</i> , 2014 , 191, 67-74	8.5	13
113	Mimicking <i>Daphnia magna</i> bioassay performance by an electronic tongue for urban water quality control. <i>Analytica Chimica Acta</i> , 2014 , 824, 64-70	6.6	23
112	In situ determination of cadmium and lead in water environment based on microelectrode array combined PLS with local optimum method. <i>Analytical Methods</i> , 2013 , 5, 1823	3.2	1
111	Assessment of bitter taste of pharmaceuticals with multisensor system employing 3 way PLS regression. <i>Analytica Chimica Acta</i> , 2013 , 770, 45-52	6.6	57
110	Water toxicity evaluation in terms of bioassay with an Electronic Tongue. <i>Sensors and Actuators B: Chemical</i> , 2013 , 179, 282-286	8.5	24
109	Smart voltammetric procedure in an automatic trace metal monitoring system for expanding the measurement range of a gold-band microelectrode array. <i>Measurement Science and Technology</i> , 2013 , 24, 045801	2	5
108	Approach to on-line monitoring of PUREX process using chemometric processing of the optical spectral data. <i>Radiochimica Acta</i> , 2013 , 101, 149-154	1.9	9
107	Potentiometric Sensor Array for Analysis of Complex Rare Earth Mixtures. <i>Electroanalysis</i> , 2012 , 24, 121-130	3	20
106	Novel diamides of 2,2'-dipyridyl-6,6'-dicarboxylic acid: synthesis, coordination properties, and possibilities of use in electrochemical sensors and liquid extraction. <i>Russian Chemical Bulletin</i> , 2012 , 61, 881-890	1.7	34
105	Studies on the redox turnover of polyoxometalates using potentiometric chemical sensors. <i>New Journal of Chemistry</i> , 2012 , 36, 1036	3.6	18
104	Towards reliable estimation of an "electronic tongue" predictive ability from PLS regression models in wine analysis. <i>Talanta</i> , 2012 , 90, 109-16	6.2	58
103	Assessing taste without using humans: rat brief access aversion model and electronic tongue. <i>International Journal of Pharmaceutics</i> , 2012 , 435, 137-9	6.5	15
102	Novel structured light-addressable potentiometric sensor array based on PVC membrane for determination of heavy metals. <i>Sensors and Actuators B: Chemical</i> , 2012 , 174, 59-64	8.5	24
101	A LAPS array with low cross-talk for non-invasive measurement of cellular metabolism. <i>Sensors and Actuators A: Physical</i> , 2012 , 187, 50-56	3.9	21
100	Novel Thin-Film Polymeric Materials for the Detection of Heavy Metals. <i>Procedia Engineering</i> , 2012 , 47, 322-325		5
99	Development of a thin-film sensor array for analytical monitoring of heavy metals in aqueous solutions. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012 , 209, 885-891	1.6	4
98	Combination of optical spectroscopy and chemometric techniques – possible way for on-line monitoring of spent nuclear fuel (SNF) reprocessing. <i>Radiochimica Acta</i> , 2012 , 100, 185-188	1.9	13
97	Analysis of tea samples with a multisensor system and capillary electrophoresis. <i>Russian Journal of Applied Chemistry</i> , 2011 , 84, 964-971	0.8	5

96	Polymeric sensors for determination of rare-earth metal ions, based on diamides of dipicolinic acid. <i>Russian Journal of Applied Chemistry</i> , 2011 , 84, 1354-1361	0.8	3
95	Multiway Processing of Data Generated with a Potentiometric Electronic Tongue in a SIA System. <i>Electroanalysis</i> , 2011 , 23, 953-961	3	7
94	Development Of Electronic Tongue System For Quantification Of Rare Earth Metals In Spent Nuclear Fuel Reprocessing 2011 ,		3
93	Sensory, chemical, and electronic tongue assessment of micro-oxygenated wines and oak chip maceration: assessing the commonality of analytical techniques. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 5026-33	5.7	23
92	Two analyte calibrations from the transient response of a single potentiometric sensor employed with the SIA technique. <i>Talanta</i> , 2010 , 80, 1428-35	6.2	7
91	Electronic tongue as a screening tool for rapid analysis of beer. <i>Talanta</i> , 2010 , 81, 88-94	6.2	63
90	Chemical sensors and their systems. <i>Journal of Analytical Chemistry</i> , 2010 , 65, 880-898	1.1	37
89	Comparison of the analytical potential of individual sensors and a multisensor system of the Electronic tongue type for the example of determination of the perchlorate ion. <i>Russian Journal of Applied Chemistry</i> , 2010 , 83, 1563-1569	0.8	2
88	Instrumental measurement of bitter taste in red wine using an electronic tongue. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 3051-60	4.4	43
87	Use of Sequential Injection Analysis to construct a potentiometric electronic tongue: Application to the multidetermination of heavy metals. <i>Sensors and Actuators B: Chemical</i> , 2010 , 146, 420-426	8.5	45
86	Calixarenes functionalized with phosphine oxide and diamide functions as extractants and ionophores for rare-earth metals. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010 , 67, 117-126		19
85	2,2'-Dipyridyl-6,6'-dicarboxylic acid diamides: Synthesis, complexation and extraction properties. <i>Polyhedron</i> , 2010 , 29, 1998-2005	2.7	52
84	Evaluation of the feasibility of the electronic tongue as a rapid analytical tool for wine age prediction and quantification of the organic acids and phenolic compounds. The case-study of Madeira wine. <i>Analytica Chimica Acta</i> , 2010 , 662, 82-9	6.6	64
83	Using electronic tongues and noses to assess food.. <i>CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources</i> , 2010 , 5,	3.2	2
82	New chemical sensors based on extraction systems for stable fission products analysis. <i>Radiochimica Acta</i> , 2009 , 97,	1.9	7
81	Use of Sequential Injection Analysis to construct a Potentiometric Electronic Tongue: Application to the Multidetermination of Heavy Metals 2009 ,		1
80	Assessment of bitterness intensity and suppression effects using an Electronic Tongue 2009 ,		4
79	Measurement Of Beer Taste Attributes Using An Electronic Tongue 2009 ,		2

78	Study of the influence of micro-oxygenation and oak chip maceration on wine composition using an electronic tongue and chemical analysis. <i>Analytica Chimica Acta</i> , 2009 , 642, 235-45	6.6	37
77	Instrumental measurement of beer taste attributes using an electronic tongue. <i>Analytica Chimica Acta</i> , 2009 , 646, 111-8	6.6	98
76	New polymeric chemical sensors for determination of lead ions. <i>Russian Journal of Applied Chemistry</i> , 2009 , 82, 247-254	0.8	14
75	Chemical sensors based on metal-electrolyte-insulator-semiconductor structures for determining carbon dioxide in air. <i>Russian Journal of Applied Chemistry</i> , 2009 , 82, 1953-1958	0.8	1
74	Detection of ultra-low activities of heavy metal ions by an array of potentiometric chemical sensors. <i>Mikrochimica Acta</i> , 2008 , 163, 71-80	5.8	30
73	Sensor systems, electronic tongues and electronic noses, for the monitoring of biotechnological processes. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2008 , 35, 443-451	4.2	69
72	Cross-sensitive rare earth metal ion sensors based on extraction systems. <i>Sensors and Actuators B: Chemical</i> , 2008 , 131, 29-36	8.5	24
71	Analysis of tomato taste using two types of electronic tongues. <i>Sensors and Actuators B: Chemical</i> , 2008 , 131, 10-17	8.5	79
70	Electronic tongue: Chemical sensor systems for analysis of aquatic media. <i>Russian Journal of General Chemistry</i> , 2008 , 78, 2532-2544	0.7	24
69	Prediction of the Port wine age using an electronic tongue. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2007 , 88, 125-131	3.8	38
68	Polymeric sensors for determination of anions of organic acids. <i>Russian Journal of Applied Chemistry</i> , 2007 , 80, 799-804	0.8	5
67	Evaluation of a novel chemical sensor system to detect clinical mastitis in bovine milk. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 2689-93	11.8	43
66	Multisensor system for determination of polyoxometalates containing vanadium at its different oxidation states. <i>Talanta</i> , 2007 , 72, 497-505	6.2	13
65	The electronic tongue and ATR-FTIR for rapid detection of sugars and acids in tomatoes. <i>Sensors and Actuators B: Chemical</i> , 2006 , 116, 107-115	8.5	84
64	Multisensor systems of the electronic tongue type as novel opportunities in design and application of chemical sensors. <i>Russian Chemical Reviews</i> , 2006 , 75, 125-132	6.8	14
63	Quality evaluation of cork from <i>Quercus suber</i> L. by the electronic tongue. <i>Analytica Chimica Acta</i> , 2006 , 563, 315-318	6.6	15
62	Cross-sensitive rare-earth metal sensors based on bidentate neutral organophosphorus compounds and chlorinated cobalt dicarbollide. <i>Analytica Chimica Acta</i> , 2006 , 572, 243-7	6.6	31
61	Analysis of apples varieties [comparison of electronic tongue with different analytical techniques. <i>Sensors and Actuators B: Chemical</i> , 2006 , 116, 23-28	8.5	76

60	Electronic tongue [An array of non-specific chemical sensors]For analysis of radioactive solutions. <i>European Physical Journal D</i> , 2006 , 56, D271-D277		
59	Electronic tongue [An array of non-specific chemical sensors]For analysis of radioactive solutions. <i>European Physical Journal D</i> , 2006 , 56, D271-D277		3
58	Differentiation of four <i>Aspergillus</i> species and one <i>Zygosaccharomyces</i> with two electronic tongues based on different measurement techniques. <i>Journal of Biotechnology</i> , 2005 , 119, 300-8	3.7	36
57	Nonspecific sensor arrays ("electronic tongue") for chemical analysis of liquids (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2005 , 77, 1965-1983	2.1	309
56	Electronic tongue for quality assessment of ethanol, vodka and eau-de-vie. <i>Analytica Chimica Acta</i> , 2005 , 534, 129-135	6.6	54
55	Methods for Multivariate Calibrations for Processing of the Dynamic Response of a Flow-Injection Multiple-Sensor System. <i>Russian Journal of Applied Chemistry</i> , 2005 , 78, 89-95	0.8	15
54	Polymeric Sensors Based on Extraction Systems for Determination of Rare-Earth Metals. <i>Russian Journal of Applied Chemistry</i> , 2005 , 78, 568-573	0.8	20
53	Comparison of gas chromatography-mass spectrometry and electronic tongue analysis for the classification of onions and shallots. <i>International Journal of Environmental Analytical Chemistry</i> , 2005 , 85, 971-980	1.8	10
52	New Sensory Materials Based on Chalcogenide Glasses Containing Zinc, Cadmium, and Manganese Sulfides. <i>Russian Journal of Applied Chemistry</i> , 2004 , 77, 716-720	0.8	1
51	Fermentation monitoring using multisensor systems: feasibility study of the electronic tongue. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 378, 391-5	4.4	58
50	Electronic tongue for pharmaceutical analytics: quantification of tastes and masking effects. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 380, 36-45	4.4	75
49	Solvent polymeric membranes based on tridodecylmethylammonium chloride studied by potentiometry and electrochemical impedance spectroscopy. <i>Analytica Chimica Acta</i> , 2004 , 514, 107-113	6.6	18
48	Potentiometric and impedance studies of membranes based on anion-exchanger and lipophilic inert electrolyte ETH 500. <i>Electrochimica Acta</i> , 2004 , 49, 5203-5207	6.7	11
47	Potentiometric and theoretical studies of the carbonate sensors based on 3-bromo-4-hexyl-5-nitrotrifluoroacetophenone. <i>Analyst, The</i> , 2004 , 129, 213-8	5	25
46	Multicomponent analysis of fermentation growth media using the electronic tongue (ET). <i>Talanta</i> , 2004 , 64, 766-72	6.2	43
45	ELECTRONIC TONGUE DISTINGUISHES ONIONS AND SHALLOTS. <i>Acta Horticulturae</i> , 2004 , 183-191	0.3	5
44	Carbonate Sensors Based on 4-Hexyltrifluoroacetophenone Modified by Acceptor Substituents in Phenyl Ring. <i>Electroanalysis</i> , 2003 , 15, 1291-1296	3	17
43	Evaluation of Italian wine by the electronic tongue: recognition, quantitative analysis and correlation with human sensory perception. <i>Analytica Chimica Acta</i> , 2003 , 484, 33-44	6.6	182

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