

Andrey Legin

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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	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
202	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
201	Tasting of beverages using an electronic tongue. <i>Sensors and Actuators B: Chemical</i> , 1997 , 44, 291-296	8.5	166
200	Electronic tongues and their analytical application. <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 373, 136-46	4.4	152
199	Application of Electronic Tongue for Quantitative Analysis of Mineral Water and Wine. <i>Electroanalysis</i> , 1999 , 11, 814-820	3	113
198	Multicomponent analysis on polluted waters by means of an electronic tongue. <i>Sensors and Actuators B: Chemical</i> , 1997 , 44, 423-428	8.5	109
197	Instrumental measurement of beer taste attributes using an electronic tongue. <i>Analytica Chimica Acta</i> , 2009 , 646, 111-8	6.6	98
196	Non-selective chemical sensors in analytical chemistry: from Electronic nose to Electronic tongue. <i>Fresenius Journal of Analytical Chemistry</i> , 1998 , 361, 255-260		95
195	Cross-sensitivity evaluation of chemical sensors for electronic tongue: determination of heavy metal ions. <i>Sensors and Actuators B: Chemical</i> , 1997 , 44, 532-537	8.5	91
194	All-solid-state electronic tongue and its application for beverage analysis. <i>Analytica Chimica Acta</i> , 2002 , 468, 303-314	6.6	88
193	Multicomponent analysis of Korean green tea by means of disposable all-solid-state potentiometric electronic tongue microsystem. <i>Sensors and Actuators B: Chemical</i> , 2003 , 95, 391-399	8.5	88
192	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
191	Electronic tongue: a new analytical tool for liquid analysis on the basis of non-specific sensors and methods of pattern recognition. <i>Sensors and Actuators B: Chemical</i> , 2000 , 65, 235-236	8.5	83
190	Application of electronic tongue for qualitative and quantitative analysis of complex liquid media. <i>Sensors and Actuators B: Chemical</i> , 2000 , 65, 232-234	8.5	82
189	Development of multisensor systems based on chalcogenide thin film chemical sensors for the simultaneous multicomponent analysis of metal ions in complex solutions. <i>Electrochimica Acta</i> , 2001 , 47, 251-258	6.7	80
188	Analysis of tomato taste using two types of electronic tongues. <i>Sensors and Actuators B: Chemical</i> , 2008 , 131, 10-17	8.5	79
187	Application of a combined artificial olfaction and taste system to the quantification of relevant compounds in red wine. <i>Sensors and Actuators B: Chemical</i> , 2000 , 69, 342-347	8.5	78

186	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
185	Electronic tongue for pharmaceutical analytics: quantification of tastes and masking effects. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 380, 36-45	4.4	75
184	The features of the electronic tongue in comparison with the characteristics of the discrete ion-selective sensors. <i>Sensors and Actuators B: Chemical</i> , 1999 , 58, 464-468	8.5	72
183	Multicomponent analysis of heavy metal cations and inorganic anions in liquids by a non-selective chalcogenide glass sensor array. <i>Sensors and Actuators B: Chemical</i> , 1996 , 34, 539-542	8.5	70
182	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
181	Chalcogenide glass chemical sensors: Research and analytical applications. <i>Talanta</i> , 1994 , 41, 1059-63	6.2	68
180	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
179	Electronic tongue as a screening tool for rapid analysis of beer. <i>Talanta</i> , 2010 , 81, 88-94	6.2	63
178	Non-silicon MEMS platforms for gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2016 , 224, 700-713	8.5	59
177	Multisensor system on the basis of an array of non-specific chemical sensors and artificial neural networks for determination of inorganic pollutants in a model groundwater. <i>Talanta</i> , 2001 , 55, 425-31	6.2	59
176	Application of chemometric methods to XRF-data - A tutorial review. <i>Analytica Chimica Acta</i> , 2018 , 1040, 19-32	6.6	58
175	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
174	Fermentation monitoring using multisensor systems: feasibility study of the electronic tongue. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 378, 391-5	4.4	58
173	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
172	Electronic tongue for quality assessment of ethanol, vodka and eau-de-vie. <i>Analytica Chimica Acta</i> , 2005 , 534, 129-135	6.6	54
171	Can pulsed laser deposition serve as an advanced technique in fabricating chemical sensors?. <i>Sensors and Actuators B: Chemical</i> , 2001 , 78, 273-278	8.5	53
170	2,2'-Dipyridyl-6,6'-dicarboxylic acid diamides: Synthesis, complexation and extraction properties. <i>Polyhedron</i> , 2010 , 29, 1998-2005	2.7	52
169	Monitoring batch fermentations with an electronic tongue. <i>Journal of Biotechnology</i> , 2003 , 103, 87-91	3.7	49

168	Thin film sensors on the basis of chalcogenide glass materials prepared by pulsed laser deposition technique. <i>Sensors and Actuators B: Chemical</i> , 2000 , 68, 254-259	8.5	47
167	Chemical sensor array for multicomponent analysis of biological liquids. <i>Analytica Chimica Acta</i> , 1999 , 385, 131-135	6.6	47
166	Analytical applications of chalcogenide glass chemical sensors in environmental monitoring and process control. <i>Sensors and Actuators B: Chemical</i> , 1995 , 24, 309-311	8.5	47
165	Cross-sensitivity of chalcogenide glass sensors in solutions of heavy metal ions. <i>Sensors and Actuators B: Chemical</i> , 1996 , 34, 456-461	8.5	47
164	A flow injection system based on chalcogenide glass sensors for the determination of heavy metals. <i>Analytica Chimica Acta</i> , 2000 , 403, 273-277	6.6	46
163	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
162	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
161	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
160	Multicomponent analysis of fermentation growth media using the electronic tongue (ET). <i>Talanta</i> , 2004 , 64, 766-72	6.2	43
159	Copper, cadmium and thallium thin film sensors based on chalcogenide glasses. <i>Analytica Chimica Acta</i> , 2001 , 433, 103-110	6.6	43
158	Real-Time Water Quality Monitoring with Chemical Sensors. <i>Sensors</i> , 2020 , 20,	3.8	42
157	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
156	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
155	Prediction of the Port wine age using an electronic tongue. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2007 , 88, 125-131	3.8	38
154	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
153	Chemical sensors and their systems. <i>Journal of Analytical Chemistry</i> , 2010 , 65, 880-898	1.1	37
152	Electronic Tongues: Sensors, Systems, Applications. <i>Sensors Update</i> , 2002 , 10, 143-188		37
151	Determination of urine ionic composition with potentiometric multisensor system. <i>Talanta</i> , 2015 , 131, 556-61	6.2	36

150	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
149	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
148	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
147	Cross-sensitive chemical sensors based on tetraphenylporphyrin and phthalocyanine. <i>Analytica Chimica Acta</i> , 2002 , 457, 297-303	6.6	34
146	Electronic tongue for microcystin screening in waters. <i>Biosensors and Bioelectronics</i> , 2016 , 80, 154-160	11.8	32
145	Pulsed Laser Deposition [An Innovative Technique for Preparing Inorganic Thin Films. <i>Electroanalysis</i> , 2001 , 13, 727-732	3	32
144	A new thin-film Pb microsensor based on chalcogenide glasses. <i>Sensors and Actuators B: Chemical</i> , 2000 , 71, 13-18	8.5	32
143	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
142	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
141	Multicomponent thin films for electrochemical sensor applications prepared by pulsed laser deposition. <i>Sensors and Actuators B: Chemical</i> , 2001 , 76, 327-330	8.5	30
140	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
139	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
138	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
137	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
136	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
135	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
134	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
133	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

132	Electronic tongue: Chemical sensor systems for analysis of aquatic media. <i>Russian Journal of General Chemistry</i> , 2008 , 78, 2532-2544	0.7	24
131	Chalcogenide-based thin film sensors prepared by pulsed laser deposition technique. <i>Applied Physics A: Materials Science and Processing</i> , 1999 , 69, S803-S805	2.6	24
130	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
129	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
128	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
127	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
126	Thin-layer chemical sensors based on chemically deposited and modified chalcogenide glasses. <i>Sensors and Actuators B: Chemical</i> , 1993 , 15, 184-187	8.5	21
125	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
124	A Simple Procedure to Assess Limit of Detection for Multisensor Systems. <i>Sensors</i> , 2019 , 19,	3.8	20
123	Potentiometric Sensor Array for Analysis of Complex Rare Earth Mixtures. <i>Electroanalysis</i> , 2012 , 24, 121-130	3.30	20
122	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
121	Determination of cyanide using flow-injection multisensor system. <i>Talanta</i> , 2002 , 58, 1071-6	6.2	20
120	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
119	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
118	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
117	Recent advances in magnesium assessment: From single selective sensors to multisensory approach. <i>Talanta</i> , 2018 , 179, 430-441	6.2	19
116	Studies on the redox turnover of polyoxometalates using potentiometric chemical sensors. <i>New Journal of Chemistry</i> , 2012 , 36, 1036	3.6	18
115	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

114	Development and analytical evaluation of a multisensor system for water quality monitoring. <i>Sensors and Actuators B: Chemical</i> , 1995 , 27, 377-379	8.5	18
113	Multivariate calibration transfer between two different types of multisensor systems. <i>Sensors and Actuators B: Chemical</i> , 2017 , 246, 994-1000	8.5	17
112	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
111	A sample-effective calibration design for multiple components. <i>Analyst, The</i> , 2014 , 139, 4303-9	5	17
110	Carbonate Sensors Based on 4-Hexyltrifluoroacetophenone Modified by Acceptor Substituents in Phenyl Ring. <i>Electroanalysis</i> , 2003 , 15, 1291-1296	3	17
109	Chapter 10 Electronic tongues: new analytical perspective for chemical sensors. <i>Comprehensive Analytical Chemistry</i> , 2003 , 437-486	1.9	17
108	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
107	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, 105-11	6.2	16
106	Calibration transfer between different analytical methods. <i>Talanta</i> , 2017 , 170, 457-463	6.2	15
105	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
104	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
103	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
102	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
101	New polymeric chemical sensors for determination of lead ions. <i>Russian Journal of Applied Chemistry</i> , 2009 , 82, 247-254	0.8	14
100	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
99	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
98	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
97	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

96	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
95	Multisensor system for determination of polyoxometalates containing vanadium at its different oxidation states. <i>Talanta</i> , 2007 , 72, 497-505	6.2	13
94	Mechanism studies on lead ion-selective chalcogenide glass sensors. <i>Sensors and Actuators B: Chemical</i> , 1992 , 10, 55-60	8.5	12
93	Electronic Tongues for Inedible Media. <i>Sensors</i> , 2019 , 19,	3.8	12
92	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
91	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
90	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
89	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
88	Potentiometric E-Tongue System for Geosmin/Isoborneol Presence Monitoring in Drinkable Water. <i>Sensors</i> , 2020 , 20,	3.8	10
87	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
86	Identification of plastic toys contaminated with volatile organic compounds using QCM gas sensor array. <i>Talanta</i> , 2020 , 211, 120701	6.2	10
85	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
84	Microwave-Assisted Development of Orally Disintegrating Tablets by Direct Compression. <i>AAPS PharmSciTech</i> , 2017 , 18, 2055-2066	3.9	9
83	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
82	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
81	Avoiding nonsense in electronic taste sensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 121, 115675	14.6	8
80	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
79	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

78	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
77	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
76	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
75	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
74	Additive Technologies for Ceramic MEMS Sensors. <i>Procedia Engineering</i> , 2015 , 120, 1087-1090		7
73	Multivariate Calibration Transfer between two Potentiometric Multisensor Systems. <i>Electroanalysis</i> , 2017 , 29, 2161-2166	3	7
72	Multway Processing of Data Generated with a Potentiometric Electronic Tongue in a SIA System. <i>Electroanalysis</i> , 2011 , 23, 953-961	3	7
71	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
70	New chemical sensors based on extraction systems for stable fission products analysis. <i>Radiochimica Acta</i> , 2009 , 97,	1.9	7
69	Pulsed-laser deposition as a novel preparation technique for chemical microsensors 1999 ,		7
68	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
67	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
66	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, 226-31	6.2	5
65	Novel Thin-Film Polymeric Materials for the Detection of Heavy Metals. <i>Procedia Engineering</i> , 2012 , 47, 322-325		5
64	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
63	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
62	Polymeric sensors for determination of anions of organic acids. <i>Russian Journal of Applied Chemistry</i> , 2007 , 80, 799-804	0.8	5
61	ELECTRONIC TONGUE DISTINGUISHES ONIONS AND SHALLOTS. <i>Acta Horticulturae</i> , 2004 , 183-191	0.3	5

60	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
59	Developing non-invasive bladder cancer screening methodology through potentiometric multisensor urine analysis. <i>Talanta</i> , 2021 , 234, 122696	6.2	5
58	Plutonium (IV) Quantification in Technologically Relevant Media Using Potentiometric Sensor Array. <i>Sensors</i> , 2020 , 20,	3.8	4
57	Signal Smoothing with PLS Regression. <i>Analytical Chemistry</i> , 2018 , 90, 5959-5964	7.8	4
56	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
55	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
54	Assessment of bitterness intensity and suppression effects using an Electronic Tongue 2009 ,		4
53	Analysis of the Composition of Cu _{1-x} As ₂ Se ₃ and Cu _{1-x} Bi _{2-x} As ₂ Se ₃ Chalcogenide Films by X-ray Fluorescence Spectroscopy. <i>Glass Physics and Chemistry</i> , 2002 , 28, 79-82	0.7	4
52	QSPR Modeling of Potentiometric Mg ²⁺ /Ca ²⁺ Selectivity for PVC-plasticized Sensor Membranes. <i>Electroanalysis</i> , 2020 , 32, 792-798	3	4
51	Calibration Transfer for LED-Based Optical Multisensor Systems. <i>ACS Sensors</i> , 2020 , 5, 2587-2595	9.2	4
50	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
49	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
48	Modified Diamide and Phosphine Oxide Extracting Compounds as Membrane Components for Cross-Sensitive Chemical Sensors. <i>Chemosensors</i> , 2019 , 7, 41	4	3
47	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
46	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
45	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
44	Development Of Electronic Tongue System For Quantification Of Rare Earth Metals In Spent Nuclear Fuel Reprocessing 2011 ,		3
43	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

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