

# Dmitry O Kirsanov

## List of Publications by Citations

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148  
papers

2,108  
citations

25  
h-index

39  
g-index

159  
ext. papers

2,510  
ext. citations

5  
avg, IF

5.03  
L-index

#	Paper	IF	Citations
148	Instrumental measurement of beer taste attributes using an electronic tongue. <i>Analytica Chimica Acta</i> , <b>2009</b> , 646, 111-8	6.6	98
147	The electronic tongue and ATR-FTIR for rapid detection of sugars and acids in tomatoes. <i>Sensors and Actuators B: Chemical</i> , <b>2006</b> , 116, 107-115	8.5	84
146	Analysis of tomato taste using two types of electronic tongues. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 131, 10-17	8.5	79
145	Analysis of apples varieties [comparison of electronic tongue with different analytical techniques. <i>Sensors and Actuators B: Chemical</i> , <b>2006</b> , 116, 23-28	8.5	76
144	Electronic tongue as a screening tool for rapid analysis of beer. <i>Talanta</i> , <b>2010</b> , 81, 88-94	6.2	63
143	Application of chemometric methods to XRF-data - A tutorial review. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1040, 19-32	6.6	58
142	Towards reliable estimation of an "electronic tongue" predictive ability from PLS regression models in wine analysis. <i>Talanta</i> , <b>2012</b> , 90, 109-16	6.2	58
141	Fermentation monitoring using multisensor systems: feasibility study of the electronic tongue. <i>Analytical and Bioanalytical Chemistry</i> , <b>2004</b> , 378, 391-5	4.4	58
140	Assessment of bitter taste of pharmaceuticals with multisensor system employing 3 way PLS regression. <i>Analytica Chimica Acta</i> , <b>2013</b> , 770, 45-52	6.6	57
139	2,2'-Dipyridyl-6,6'-dicarboxylic acid diamides: Synthesis, complexation and extraction properties. <i>Polyhedron</i> , <b>2010</b> , 29, 1998-2005	2.7	52
138	Multicomponent analysis of fermentation growth media using the electronic tongue (ET). <i>Talanta</i> , <b>2004</b> , 64, 766-72	6.2	43
137	Real-Time Water Quality Monitoring with Chemical Sensors. <i>Sensors</i> , <b>2020</b> , 20,	3.8	42
136	1,10-Phenanthroline-2,9-dicarboxamides as ligands for separation and sensing of hazardous metals. <i>RSC Advances</i> , <b>2016</b> , 6, 68642-68652	3.7	42
135	Independent comparison study of six different electronic tongues applied for pharmaceutical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 114, 321-9	3.5	38
134	Determination of urine ionic composition with potentiometric multisensor system. <i>Talanta</i> , <b>2015</b> , 131, 556-61	6.2	36
133	A novel smartphone-based CD-spectrometer for high sensitive and cost-effective colorimetric detection of ascorbic acid. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1093, 150-159	6.6	36
132	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> , <b>2012</b> , 61, 881-890	1.7	34

131	Cross-sensitive chemical sensors based on tetraphenylporphyrin and phthalocyanine. <i>Analytica Chimica Acta</i> , <b>2002</b> , 457, 297-303	6.6	34
130	Stepwise injection potentiometric determination of caffeine in saliva using single-drop microextraction combined with solvent exchange. <i>Talanta</i> , <b>2016</b> , 150, 655-60	6.2	33
129	Electronic tongue for microcystin screening in waters. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 80, 154-160	11.8	32
128	Cross-sensitive rare-earth metal sensors based on bidentate neutral organophosphorus compounds and chlorinated cobalt dicarbollide. <i>Analytica Chimica Acta</i> , <b>2006</b> , 572, 243-7	6.6	31
127	Detection of ultra-low activities of heavy metal ions by an array of potentiometric chemical sensors. <i>Mikrochimica Acta</i> , <b>2008</b> , 163, 71-80	5.8	30
126	Measurements of the effects of wine maceration with oak chips using an electronic tongue. <i>Food Chemistry</i> , <b>2017</b> , 229, 20-27	8.5	26
125	MnO nanosheets as the biomimetic oxidase for rapid and sensitive oxalate detection combining with bionic E-eye. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 130, 254-261	11.8	25
124	Two low-cost digital camera-based platforms for quantitative creatinine analysis in urine. <i>Analytica Chimica Acta</i> , <b>2015</b> , 895, 71-9	6.6	25
123	Extending electronic tongue calibration lifetime through mathematical drift correction: Case study of microcystin toxicity analysis in waters. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 237, 962-968	8.5	24
122	Novel structured light-addressable potentiometric sensor array based on PVC membrane for determination of heavy metals. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 174, 59-64	8.5	24
121	Water toxicity evaluation in terms of bioassay with an Electronic Tongue. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 179, 282-286	8.5	24
120	Cross-sensitive rare earth metal ion sensors based on extraction systems. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 131, 29-36	8.5	24
119	Mimicking <i>Daphnia magna</i> bioassay performance by an electronic tongue for urban water quality control. <i>Analytica Chimica Acta</i> , <b>2014</b> , 824, 64-70	6.6	23
118	Water pollution monitoring by an artificial sensory system performing in terms of <i>Vibrio fischeri</i> bacteria. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 207, 1069-1075	8.5	21
117	Chronoamperometric and coulometric analysis with ionophore-based ion-selective electrodes: A modified theory and the potassium ion assay in serum samples. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 310, 127894	8.5	21
116	A LAPS array with low cross-talk for non-invasive measurement of cellular metabolism. <i>Sensors and Actuators A: Physical</i> , <b>2012</b> , 187, 50-56	3.9	21
115	Determination of three quality parameters in vegetable oils using potentiometric e-tongue. <i>Journal of Food Composition and Analysis</i> , <b>2019</b> , 75, 75-80	4.1	21
114	A Simple Procedure to Assess Limit of Detection for Multisensor Systems. <i>Sensors</i> , <b>2019</b> , 19,	3.8	20

113	Potentiometric Sensor Array for Analysis of Complex Rare Earth Mixtures. <i>Electroanalysis</i> , <b>2012</b> , 24, 121-130	2.0	20
112	Polymeric Sensors Based on Extraction Systems for Determination of Rare-Earth Metals. <i>Russian Journal of Applied Chemistry</i> , <b>2005</b> , 78, 568-573	0.8	20
111	UV-Vis spectroscopy with chemometric data treatment: an option for on-line control in nuclear industry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2017</b> , 312, 461-470	1.5	19
110	Three-point multivariate calibration models by correlation constrained MCR-ALS: A feasibility study for quantitative analysis of complex mixtures. <i>Talanta</i> , <b>2017</b> , 163, 39-47	6.2	19
109	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> , <b>2010</b> , 67, 117-126		19
108	Recent advances in magnesium assessment: From single selective sensors to multisensory approach. <i>Talanta</i> , <b>2018</b> , 179, 430-441	6.2	19
107	Solvent polymeric membranes based on tridodecylmethylammonium chloride studied by potentiometry and electrochemical impedance spectroscopy. <i>Analytica Chimica Acta</i> , <b>2004</b> , 514, 107-113	6.6	18
106	Multivariate calibration transfer between two different types of multisensor systems. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 246, 994-1000	8.5	17
105	Improving precision of X-ray fluorescence analysis of lanthanide mixtures using partial least squares regression. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2015</b> , 113, 126-131	3.1	17
104	A sample-effective calibration design for multiple components. <i>Analyst, The</i> , <b>2014</b> , 139, 4303-9	5	17
103	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> , <b>2015</b> , 173, 59-66	6.7	16
102	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> , <b>2016</b> , 152, 105-111	6.2	16
101	Development and Testing of an LED-Based Near-Infrared Sensor for Human Kidney Tumor Diagnostics. <i>Sensors</i> , <b>2017</b> , 17,	3.8	16
100	Calibration transfer between different analytical methods. <i>Talanta</i> , <b>2017</b> , 170, 457-463	6.2	15
99	Potentiometric multisensor system as a possible simple tool for non-invasive prostate cancer diagnostics through urine analysis. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 289, 42-47	8.5	15
98	Assessing taste without using humans: rat brief access aversion model and electronic tongue. <i>International Journal of Pharmaceutics</i> , <b>2012</b> , 435, 137-9	6.5	15
97	New polymeric chemical sensors for determination of lead ions. <i>Russian Journal of Applied Chemistry</i> , <b>2009</b> , 82, 247-254	0.8	14
96	Electronic Tongue for Brand Uniformity Control: A Case Study of Apulian Red Wines Recognition and Defects Evaluation. <i>Sensors</i> , <b>2018</b> , 18,	3.8	14

95	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> , <b>2014</b> , 191, 67-74	8.5	13
94	Combination of optical spectroscopy and chemometric techniques— possible way for on-line monitoring of spent nuclear fuel (SNF) reprocessing. <i>Radiochimica Acta</i> , <b>2012</b> , 100, 185-188	1.9	13
93	Electronic Tongues for Inedible Media. <i>Sensors</i> , <b>2019</b> , 19,	3.8	12
92	Continuous monitoring of water quality at aeration plant with potentiometric sensor array. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 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> , <b>2017</b> , 99, 266-271	5.1	11
90	Analytical Figures of Merit for Multisensor Arrays. <i>ACS Sensors</i> , <b>2020</b> , 5, 580-587	9.2	10
89	Assessment of the physical properties, and the hydrogen, carbon, and oxygen content in plastics using energy-dispersive X-ray fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2020</b> , 165, 105771	3.1	10
88	A heating-assisted liquid-liquid microextraction approach using menthol: Separation of benzoic acid in juice samples followed by HPLC-UV determination. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 261, 265-270	6	10
87	Identification of plastic toys contaminated with volatile organic compounds using QCM gas sensor array. <i>Talanta</i> , <b>2020</b> , 211, 120701	6.2	10
86	Application of Chemometrics in Biosensing: A Review. <i>Biosensors</i> , <b>2020</b> , 10,	5.9	10
85	Indirect monitoring of protein A biosynthesis in E.coli using potentiometric multisensor system. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 238, 1159-1164	8.5	9
84	Microwave-Assisted Development of Orally Disintegrating Tablets by Direct Compression. <i>AAPS PharmSciTech</i> , <b>2017</b> , 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> , <b>2015</b> , 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> , <b>2013</b> , 101, 149-154	1.9	9
81	Deep learning in analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2021</b> , 145, 116459	14.6	9
80	Avoiding nonsense in electronic taste sensing. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 121, 115675	14.6	8
79	Rapid Evaluation of Integral Quality and Safety of Surface and Waste Waters by a Multisensor System (Electronic Tongue). <i>Sensors</i> , <b>2019</b> , 19,	3.8	8
78	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> , <b>2019</b> , 288, 155-162	8.5	8

77	A Tool for General Quality Assessment of Black Tea Retail Price Prediction by an Electronic Tongue. <i>Food Analytical Methods</i> , <b>2015</b> , 8, 1088-1092	3.4	8
76	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> , <b>2020</b> , 1155, 122298	3.2	8
75	QSPR modeling of potentiometric sensitivity towards heavy metal ions for polymeric membrane sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 301, 126941	8.5	7
74	An approach to potentiometric sensing of sugars: Baker's yeast assisted pH electrode. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 225, 209-212	8.5	7
73	Multivariate Calibration Transfer between two Potentiometric Multisensor Systems. <i>Electroanalysis</i> , <b>2017</b> , 29, 2161-2166	3	7
72	New chemical sensors based on extraction systems for stable fission products analysis. <i>Radiochimica Acta</i> , <b>2009</b> , 97,	1.9	7
71	A simple design atomic emission spectrometer combined with multivariate image analysis for the determination of sodium content in urine. <i>Analytical Methods</i> , <b>2017</b> , 9, 3237-3243	3.2	6
70	Urinary steroid profiling by gas chromatography mass spectrometry: Early features of malignancy in patients with adrenal incidentalomas. <i>Steroids</i> , <b>2018</b> , 135, 31-35	2.8	6
69	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> , <b>2014</b> , 119, 226-31	6.2	5
68	Novel Thin-Film Polymeric Materials for the Detection of Heavy Metals. <i>Procedia Engineering</i> , <b>2012</b> , 47, 322-325		5
67	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> , <b>2013</b> , 24, 045801	2	5
66	Analysis of tea samples with a multisensor system and capillary electrophoresis. <i>Russian Journal of Applied Chemistry</i> , <b>2011</b> , 84, 964-971	0.8	5
65	Polymeric sensors for determination of anions of organic acids. <i>Russian Journal of Applied Chemistry</i> , <b>2007</b> , 80, 799-804	0.8	5
64	Quantification of immobilized protein in pharmaceutical production by bio-assisted potentiometric multisensor system. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 150, 67-71	3.5	5
63	Developing non-invasive bladder cancer screening methodology through potentiometric multisensor urine analysis. <i>Talanta</i> , <b>2021</b> , 234, 122696	6.2	5
62	Plutonium (IV) Quantification in Technologically Relevant Media Using Potentiometric Sensor Array. <i>Sensors</i> , <b>2020</b> , 20,	3.8	4
61	Signal Smoothing with PLS Regression. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 5959-5964	7.8	4
60	LED-based near infrared sensor for cancer diagnostics <b>2016</b> ,		4

59	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> , <b>2014</b> , 87, 412-418	0.8	4
58	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> , <b>2012</b> , 209, 885-891	1.6	4
57	Assessment of bitterness intensity and suppression effects using an Electronic Tongue <b>2009</b> ,		4
56	QSPR Modeling of Potentiometric Mg <sup>2+</sup> /Ca <sup>2+</sup> Selectivity for PVC-plasticized Sensor Membranes. <i>Electroanalysis</i> , <b>2020</b> , 32, 792-798	3	4
55	Calibration Transfer for LED-Based Optical Multisensor Systems. <i>ACS Sensors</i> , <b>2020</b> , 5, 2587-2595	9.2	4
54	Development of QDs-based nanosensors for heavy metal detection: A review on transducer principles and in-situ detection. <i>Talanta</i> , <b>2021</b> , 122903	6.2	4
53	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> , <b>2021</b> , 1179, 338603	6.6	4
52	Modified Diamide and Phosphine Oxide Extracting Compounds as Membrane Components for Cross-Sensitive Chemical Sensors. <i>Chemosensors</i> , <b>2019</b> , 7, 41	4	3
51	Determination of the toxicity of herb preparations of the traditional Chinese medicine with a multisensor system. <i>Russian Journal of Applied Chemistry</i> , <b>2015</b> , 88, 72-81	0.8	3
50	Cyclometalated Ir(III) complexes as tuneable multiband light sources for optical multisensor systems: Feasibility study. <i>Dyes and Pigments</i> , <b>2020</b> , 180, 108428	4.6	3
49	Polymeric sensors for determination of rare-earth metal ions, based on diamides of dipicolinic acid. <i>Russian Journal of Applied Chemistry</i> , <b>2011</b> , 84, 1354-1361	0.8	3
48	Development Of Electronic Tongue System For Quantification Of Rare Earth Metals In Spent Nuclear Fuel Reprocessing <b>2011</b> ,		3
47	Solid-Contact Polymer Sensors Based on Composite Materials. <i>Russian Journal of Applied Chemistry</i> , <b>2002</b> , 75, 926-930	0.8	3
46	Quality Control of Heparin Injections: Comparison of Four Established Methods. <i>Analytical Sciences</i> , <b>2020</b> , 36, 1467-1472	1.7	3
45	Does chemometrics work for matrix effects correction in X-ray fluorescence analysis?. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2021</b> , 185, 106310	3.1	3
44	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> , <b>2020</b> , 323, 605-612	1.5	3
43	One shot evaluation of NPK in soils by Electronic tongue <i>Computers and Electronics in Agriculture</i> , <b>2021</b> , 186, 106208	6.5	3
42	Bio-assisted potentiometric multisensor system for purity evaluation of recombinant protein A. <i>Talanta</i> , <b>2016</b> , 156-157, 87-94	6.2	3



41	Enzymatic determination of urinary citrate based on flow injection system using NUV spectroscopy and PLS regression. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 251, 1050-1058	8.5	2
40	Water quality monitoring during interplanetary space flights. <i>Acta Astronautica</i> , <b>2019</b> , 163, 126-132	2.9	2
39	Response Standardization for Drift Correction and Multivariate Calibration Transfer in "Electronic Tongue" Studies. <i>Methods in Molecular Biology</i> , <b>2019</b> , 2027, 181-194	1.4	2
38	Multivariate processing of atomic-force microscopy images for detection of the response of plasticized polymeric membranes. <i>Russian Journal of Applied Chemistry</i> , <b>2014</b> , 87, 307-314	0.8	2
37	Measurement Of Beer Taste Attributes Using An Electronic Tongue <b>2009</b> ,		2
36	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> , <b>2010</b> , 83, 1563-1569	0.8	2
35	Non-invasive prostate cancer screening using chemometric processing of macro and trace element concentration profiles in urine. <i>Microchemical Journal</i> , <b>2020</b> , 159, 105464	4.8	2
34	Ion sensing pencil: Draw your own sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 337, 129751	8.5	2
33	A Pencil-Drawn Electronic Tongue for Environmental Applications. <i>Sensors</i> , <b>2021</b> , 21,	3.8	2
32	Monitoring of Fermentation and Biotechnological Processes <b>2016</b> , 225-233		2
31	A Novel Multi-Ionophore Approach for Potentiometric Analysis of Lanthanide Mixtures. <i>Chemosensors</i> , <b>2021</b> , 9, 23	4	2
30	Scattering of monochromatic X-rays at different incident radiation angles provides quantitative information on physical and chemical properties of plastics. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2021</b> , 172, 108888	4.6	2
29	Sample-in-waveguide geometry for TXRF sensitivity improvement. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2017</b> , 32, 1224-1228	3.7	1
28	Feasibility study of Mössbauer spectroscopy as a tool to explore PVC-plasticized potentiometric sensor membranes. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 298, 126880	8.5	1
27	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> , <b>2019</b> , 213, 12-18	4.4	1
26	Distinguishing paracetamol formulations: Comparison of potentiometric "Electronic Tongue" with established analytical techniques. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 188, 113457	3.5	1
25	On the potential and limitations of multivariate curve resolution in Mössbauer spectroscopic studies. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2020</b> , 198, 103941	3.8	1
24	Generation of characteristic profiles of steroid hormones by reversed-phase HPLC. <i>Journal of Analytical Chemistry</i> , <b>2014</b> , 69, 200-204	1.1	1



23	In situ determination of cadmium and lead in water environment based on microelectrode array combined PLS with local optimum method. <i>Analytical Methods</i> , <b>2013</b> , 5, 1823	3.2	1
22	Raman transduction for polymeric ion-selective sensor membranes: Proof of concept study. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 253, 697-702	8.5	1
21	Chemical sensors based on metal-electrolyte-insulator-semiconductor structures for determining carbon dioxide in air. <i>Russian Journal of Applied Chemistry</i> , <b>2009</b> , 82, 1953-1958	0.8	1
20	Using commercial calcium ionophores to make lanthanide sensors. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1	1.5	1
19	Performance modelling of zeolite-based potentiometric sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 356, 131343	8.5	1
18	Sensitivity and generalized analytical sensitivity expressions for quantitative analysis using convolutional neural networks.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1192, 338697	6.6	1
17	Low-cost optical sensor for real-time blood loss monitoring during transurethral surgery. <i>Optik</i> , <b>2021</b> , 228, 166148	2.5	1
16	On the Radiolytic Stability of Potentiometric Sensors with Plasticized Polymeric Membranes. <i>Chemosensors</i> , <b>2021</b> , 9, 214	4	1
15	Cu(I)-based molecular emitters for quantification of fluoride and phosphate in surface waters. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2021</b> , 184, 109976	4.6	1
14	Developing potentiometric sensors for scandium. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 348, 130699	8.5	1
13	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> , <b>2021</b> , 13, 4345-4353	3.2	1
12	Nonlinear Multivariate Regression Algorithms for Improving Precision of Multisensor Potentiometry in Analysis of Spent Nuclear Fuel Reprocessing Solutions. <i>Chemosensors</i> , <b>2022</b> , 10, 90	4	1
11	Developing Sensing Materials for Multisensor Systems on the Basis of Extraction Data <b>2014</b> , 1-40		0
10	Cross-Sensitive Potentiometric Sensors Based on Anti-Crown (C <sub>6</sub> H <sub>9</sub> F <sub>4</sub> ) <sub>3</sub> . <i>Chemistry Proceedings</i> , <b>2021</b> , 5, 72		0
9	Prediction of Carbonate Selectivity of PVC-Plasticized Sensor Membranes with Newly Synthesized Ionophores through QSPR Modeling. <i>Chemosensors</i> , <b>2022</b> , 10, 43	4	0
8	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> , <b>2022</b> , 131922	8.5	0
7	Validation of classification models in cancer studies using simulated spectral data [A <a href="#">Handbook</a> ] concept. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2022</b> , 104564	3.8	0
6	Partial least squares assisted influence coefficients concept improves accuracy in X-ray fluorescence analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2022</b> , 193, 106452	3.1	0

- 5 Determination of Citric Acid in Urine by Enzymatic Flow Injection System Based on a Novel Microfluidic Chip. *Procedia Chemistry*, **2016**, 20, 52-55
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