

# Manel del Valle

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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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.

212  
papers

6,126  
citations

44  
h-index

64  
g-index

224  
ext. papers

6,586  
ext. citations

5.2  
avg, IF

6.07  
L-index

#	Paper	IF	Citations
212	Resolution of opiate illicit drugs signals in the presence of some cutting agents with use of a voltammetric sensor array and machine learning strategies. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 357, 131345	8.5	1
211	Electronic tongue applications for wastewater and soil analysis. <i>IScience</i> , <b>2022</b> , 25, 104304	6.1	2
210	Determination of Chemical Oxygen Demand (COD) Using Nanoparticle-Modified Voltammetric Sensors and Electronic Tongue Principles. <i>Chemistry Proceedings</i> , <b>2021</b> , 5, 81		
209	A novel electronic tongue using electropolymerized molecularly imprinted polymers for the simultaneous determination of active pharmaceutical ingredients. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 198, 113807	11.8	1
208	Voltammetric sensing using an array of modified SPCE coupled with machine learning strategies for the improved identification of opioids in presence of cutting agents. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 902, 115770	4.1	3
207	Molecularly imprinted polymers <sup>-</sup> towards electrochemical sensors and electronic tongues. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 6117-6140	4.4	20
206	Coupling of Sensors and Machine Learning Algorithms in the Qualitative Analysis of Wine. <i>Engineering Proceedings</i> , <b>2021</b> , 6, 50	0.5	0
205	Detection of Biogenic Amines in Canned Tuna Using a Voltammetric Electronic Tongue. <i>Engineering Proceedings</i> , <b>2021</b> , 6, 41	0.5	
204	Determination of Chemical Oxygen Demand (COD) Using Nanoparticle-Modified Voltammetric Sensors and Electronic Tongue Principles. <i>Chemosensors</i> , <b>2021</b> , 9, 46	4	4
203	Graphene for the Building of Electroanalytical Enzyme-Based Biosensors. Application to the Inhibitory Detection of Emerging Pollutants. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	3
202	Dummy Molecularly Imprinted Polymers Using DNP as a Template Molecule for Explosive Sensing and Nitroaromatic Compound Discrimination. <i>Chemosensors</i> , <b>2021</b> , 9, 255	4	5
201	Sensors as green tools in analytical chemistry. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2021</b> , 31, 100501	7.9	1
200	Methanol, Ethanol, and Glycerol Oxidation by Graphite-Epoxy Composite Electrodes with Graphene-Anchored Nickel Oxyhydroxide Nanoparticles. <i>Proceedings (mdpi)</i> , <b>2020</b> , 42, 5	0.3	2
199	Modification of electrodes with N-and S-doped carbon dots. Evaluation of the electrochemical response. <i>Talanta</i> , <b>2020</b> , 212, 120806	6.2	16
198	Improved Sensing of Capsaicin with TiO <sub>2</sub> Nanoparticles Modified Epoxy Graphite Electrode. <i>Electroanalysis</i> , <b>2020</b> , 32, 230-237	3	8
197	Optimization of Sensors to be Used in a Voltammetric Electronic Tongue Based on Clustering Metrics. <i>Sensors</i> , <b>2020</b> , 20,	3.8	3
196	Integrating molecularly imprinted polymer beads in graphite-epoxy electrodes for the voltammetric biosensing of histamine in wines. <i>Talanta</i> , <b>2020</b> , 208, 120348	6.2	14

195	Avoiding nonsense in electronic taste sensing. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 121, 115675	14.6	8
194	Voltammetric Electronic Tongue Based on Carbon Paste Electrodes Modified with Biochar for Phenolic Compounds Stripping Detection. <i>Electroanalysis</i> , <b>2019</b> , 31, 2238-2245	3	18
193	Simultaneous Voltammetric Determination of Acetaminophen, Ascorbic Acid and Uric Acid by Use of Integrated Array of Screen-Printed Electrodes and Chemometric Tools. <i>Sensors</i> , <b>2019</b> , 19,	3.8	17
192	Enhanced electrocatalytic effects of Pd particles immobilized on GC surface on the nitrite oxidation reactions. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 839, 1-8	4.1	12
191	Voltammetric Electronic Tongue for the Simultaneous Determination of Three Benzodiazepines. <i>Sensors</i> , <b>2019</b> , 19,	3.8	9
190	Artificial Neural Networks for the Resolution of Dopamine and Serotonin Complex Mixtures Using a Graphene-Modified Carbon Electrode. <i>Electroanalysis</i> , <b>2019</b> , 31, 390-397	3	7
189	Multivariate Determination of Total Sugar Content and Ethanol in Bioethanol Production Using Carbon Electrodes Modified with MWCNT/MeOOH and Chemometric Data Treatment. <i>Electroanalysis</i> , <b>2018</b> , 30, 1696-1705	3	3
188	Voltammetric electronic tongue to identify Brett character in wines. On-site quantification of its ethylphenol metabolites. <i>Talanta</i> , <b>2018</b> , 179, 70-74	6.2	24
187	Enhanced electrochemical response of carbon quantum dot modified electrodes. <i>Talanta</i> , <b>2018</b> , 178, 679-685	6.2	38
186	Impedimetric Aptasensors Using Nanomaterials <b>2018</b> , 233-267		2
185	Label-Free Aptasensor for Lysozyme Detection Using Electrochemical Impedance Spectroscopy. <i>Sensors</i> , <b>2018</b> , 18,	3.8	31
184	A Voltammetric Electronic Tongue for the Resolution of Ternary Nitrophenol Mixtures. <i>Sensors</i> , <b>2018</b> , 18,	3.8	13
183	Bioelectronic tongue using MIP sensors for the resolution of volatile phenolic compounds. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 258, 665-671	8.5	21
182	Graphene electrode platform for impedimetric aptasensing. <i>Electrochimica Acta</i> , <b>2017</b> , 229, 458-466	6.7	14
181	Computational design of molecularly imprinted polymer for direct detection of melamine in milk. <i>Separation Science and Technology</i> , <b>2017</b> , 52, 1441-1453	2.5	33
180	Voltammetric Resolution of Dopamine in Complex Mixtures Using Graphene-Modified Electrode and Artificial Neural Networks. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 732	0.3	
179	Electronic tongues to assess wine sensory descriptors. <i>Talanta</i> , <b>2017</b> , 162, 218-224	6.2	36
178	Materials for Electronic Tongues: Smart Sensor Combining Different Materials and Chemometric Tools <b>2017</b> , 227-265		3

177	Molecularly Imprinted Polymers for TNT Analogues. Development of Electrochemical TNT Biosensors. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 731	0.3	1
176	Voltammetric Electronic Tongue for the Resolution of Ternary Nitrophenol Mixtures. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 733	0.3	
175	Label-Free Aptasensor for Lysozyme Detection Using Electrochemical Impedance Spectroscopy. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 734	0.3	
174	Resolution of galactose, glucose, xylose and mannose in sugarcane bagasse employing a voltammetric electronic tongue formed by metals oxy-hydroxide/MWCNT modified electrodes. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 222, 645-653	8.5	31
173	Bioelectronic Tongues Employing Electrochemical Biosensors. <i>Bioanalytical Reviews</i> , <b>2016</b> , 143-202	1	10
172	Three different signal amplification strategies for the impedimetric sandwich detection of thrombin. <i>Analytica Chimica Acta</i> , <b>2016</b> , 912, 117-24	6.6	16
171	Electronic tongue for nitro and peroxide explosive sensing. <i>Talanta</i> , <b>2016</b> , 153, 340-6	6.2	13
170	A novel bio-electronic tongue using different cellobiose dehydrogenases to resolve mixtures of various sugars and interfering analytes. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 515-21	11.8	19
169	Voltammetric Electronic Tongue for the Sensing of Explosives and Its Mixtures. <i>Advanced Sciences and Technologies for Security Applications</i> , <b>2016</b> , 61-81	0.6	
168	Phenolic Compounds Analyzed With an Electronic Tongue <b>2016</b> , 235-244		
167	Analysis of Amino Acid Mixtures by Voltammetric Electronic Tongues and Artificial Neural Networks. <i>Electroanalysis</i> , <b>2016</b> , 28, 1894-1900	3	12
166	Quantitative Analysis of Active Pharmaceutical Ingredients (APIs) Using a Potentiometric Electronic Tongue in a SIA Flow System. <i>Electroanalysis</i> , <b>2016</b> , 28, 626-632	3	19
165	Simultaneous Voltammetric Determination of Heavy Metals by Use of Crown Ether-modified Electrodes and Chemometrics. <i>Electroanalysis</i> , <b>2016</b> , 28, 663-670	3	28
164	Aptamer-antibody sandwich assay for cytochrome c employing an MWCNT platform and electrochemical impedance. <i>Mikrochimica Acta</i> , <b>2015</b> , 182, 2045-2053	5.8	31
163	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
162	Instrumental measurement of wine sensory descriptors using a voltammetric electronic tongue. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 207, 1053-1059	8.5	44
161	Arsenic Biosensors: Challenges and Opportunities for High-Throughput Detection <b>2015</b> , 575-588		3
160	Label free aptasensor for Lysozyme detection: A comparison of the analytical performance of two aptamers. <i>Bioelectrochemistry</i> , <b>2015</b> , 105, 72-7	5.6	47

159	A novel electrochemical aptamer-antibody sandwich assay for lysozyme detection. <i>Analyst, The</i> , <b>2015</b> , 140, 4148-53	5	58
158	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
157	Voltammetric sensor for theophylline using sol-gel immobilized molecularly imprinted polymer particles. <i>Mikrochimica Acta</i> , <b>2015</b> , 182, 933-942	5.8	32
156	Crown ether-modified electrodes for the simultaneous stripping voltammetric determination of Cd(II), Pb(II) and Cu(II). <i>Talanta</i> , <b>2015</b> , 138, 130-137	6.2	75
155	DNA polymorphism sensitive impedimetric detection on gold-nanoislands modified electrodes. <i>Talanta</i> , <b>2015</b> , 136, 95-101	6.2	6
154	Simultaneous Titration of Ternary Mixtures of Pb(II), Cd(II) and Cu(II) with Potentiometric Electronic Tongue Detection. <i>Electroanalysis</i> , <b>2015</b> , 27, 336-342	3	7
153	Use of a Bioelectronic Tongue for the Monitoring of the Photodegradation of Phenolic Compounds. <i>Electroanalysis</i> , <b>2015</b> , 27, 225-233	3	14
152	Voltammetric BioElectronic Tongue for the analysis of phenolic compounds in ros�tava wines. <i>Food Research International</i> , <b>2014</b> , 55, 455-461	7	32
151	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
150	Evaluation of red wines antioxidant capacity by means of a voltammetric e-tongue with an optimized sensor array. <i>Electrochimica Acta</i> , <b>2014</b> , 120, 180-186	6.7	46
149	Cava Wine Authentication Employing a Voltammetric Electronic Tongue. <i>Electroanalysis</i> , <b>2014</b> , 26, 1504-1512	3	29
148	Signal amplification for thrombin impedimetric aptasensor: sandwich protocol and use of gold-streptavidin nanoparticles. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 54, 408-14	11.8	31
147	Impedimetric DNA Biosensors Based on Nanomaterials <b>2014</b> , 81-110		
146	Inhibition equivalency factors for microcystin variants in recombinant and wild-type protein phosphatase 1 and 2A assays. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 10652-60	5.1	14
145	Array of peptide-modified electrodes for the simultaneous determination of Pb(II), Cd(II) and Zn(II). <i>Talanta</i> , <b>2014</b> , 125, 159-66	6.2	37
144	Label-free impedimetric aptasensor based on epoxy-graphite electrode for the recognition of cytochrome c. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 191, 860-865	8.5	36
143	Discrimination of Soils and Assessment of Soil Fertility Using Information from an Ion Selective Electrodes Array and Artificial Neural Networks. <i>Clean - Soil, Air, Water</i> , <b>2014</b> , 42, 1808-1815	1.6	15
142	Avidin epoxy-graphite composite electrodes as platforms for genosensing and aptasensing. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 6669-77	1.3	2

141	Pd nanoparticles/multiwalled carbon nanotubes electrode system for voltammetric sensing of tyrosine. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 6692-8	1.3	8
140	A comparison of four protocols for the immobilization of an aptamer on graphite composite electrodes. <i>Mikrochimica Acta</i> , <b>2014</b> , 181, 355-363	5.8	19
139	Development and application of an electronic tongue for detection and monitoring of nitrate, nitrite and ammonium levels in waters. <i>Microchemical Journal</i> , <b>2013</b> , 110, 273-279	4.8	56
138	Comparison of methods for the processing of voltammetric electronic tongues data. <i>Mikrochimica Acta</i> , <b>2013</b> , 180, 319-330	5.8	55
137	Hybrid electronic tongue based on multisensor data fusion for discrimination of beers. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 177, 989-996	8.5	85
136	Beer classification by means of a potentiometric electronic tongue. <i>Food Chemistry</i> , <b>2013</b> , 141, 2533-40	8.5	48
135	Simultaneous identification and quantification of nitro-containing explosives by advanced chemometric data treatment of cyclic voltammetry at screen-printed electrodes. <i>Talanta</i> , <b>2013</b> , 107, 270-6	6.2	51
134	Simultaneous and automated monitoring of the multimetal biosorption processes by potentiometric sensor array and artificial neural network. <i>Talanta</i> , <b>2013</b> , 114, 17-24	6.2	11
133	Resolution of amino acid mixtures by an array of potentiometric sensors based on boronic acid derivative in a SIA flow system. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 189, 179-186	8.5	14
132	Application of an electronic tongue towards the analysis of brandies. <i>Analytical Methods</i> , <b>2013</b> , 5, 1120	3.2	15
131	Voltammetric Electronic Tongue for the Qualitative Analysis of Beers. <i>Electroanalysis</i> , <b>2013</b> , 25, 1635-1644		12
130	Label-free selective impedimetric detection of Cu <sup>2+</sup> ions using catalytic DNA. <i>Analyst, The</i> , <b>2013</b> , 138, 1995-9	5	45
129	A solid-contact ion selective electrode for copper(II) using a succinimide derivative as ionophore. <i>Sensors</i> , <b>2013</b> , 13, 4367-77	3.8	32
128	Assessment of Individual Polyphenol Content in Beer by Means of a Voltammetric BioElectronic Tongue. <i>Electroanalysis</i> , <b>2013</b> , 25, 68-76	3	29
127	Bioelectronic Tongues. <i>Series in Sensors</i> , <b>2013</b> , 339-372		1
126	A simple approach for DNA detection on carbon nanotube microelectrode arrays. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 162, 120-127	8.5	11
125	Simultaneous Determination of Zn(II), Cu(II), Cd(II) and Pb(II) in Soil Samples Employing an Array of Potentiometric Sensors and an Artificial Neural Network Model. <i>Electroanalysis</i> , <b>2012</b> , 24, 2249-2256	3	16
124	Data fusion in electronic tongue for qualitative analysis of beers <b>2012</b> ,		1

123	Potentiometric electronic tongue-flow injection analysis system for the monitoring of heavy metal biosorption processes. <i>Talanta</i> , <b>2012</b> , 93, 285-92	6.2	20
122	BioElectronic Tongue for the quantification of total polyphenol content in wine. <i>Talanta</i> , <b>2012</b> , 99, 544-552	5.2	49
121	Determination of total polyphenol index in wines employing a voltammetric electronic tongue. <i>Analytica Chimica Acta</i> , <b>2012</b> , 732, 172-9	6.6	88
120	Resolution of phenolic antioxidant mixtures employing a voltammetric bio-electronic tongue. <i>Analyst, The</i> , <b>2012</b> , 137, 349-56	5	60
119	DNA Sensors Employing Nanomaterials for Diagnostic Applications. <i>Springer Series on Chemical Sensors and Biosensors</i> , <b>2012</b> , 189-216	2	1
118	Rapid field identification of subjects involved in firearm-related crimes based on electroanalysis coupled with advanced chemometric data treatment. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 10306-14	7.8	15
117	Real time protein recognition in a liquid-gated carbon nanotube field-effect transistor modified with aptamers. <i>Nanoscale</i> , <b>2012</b> , 4, 5917-23	7.7	22
116	A reusable impedimetric aptasensor for detection of thrombin employing a graphite-epoxy composite electrode. <i>Sensors</i> , <b>2012</b> , 12, 3037-48	3.8	25
115	The Application of an Array of Sensors based on Boronic Acid Derivative for the Quantitative Analysis of Amino Acids. <i>Procedia Engineering</i> , <b>2012</b> , 47, 522-525		3
114	Sensor Arrays and Electronic Tongue Systems. <i>International Journal of Electrochemistry</i> , <b>2012</b> , 2012, 1-11	2.4	37
113	A new amperometric bienzymatic biosensor based on biocomposites for the determination of gluconic acid in wines. <i>Talanta</i> , <b>2011</b> , 85, 1207-12	6.2	12
112	Voltammetric Electronic Tongue in the Analysis of Cava Wines. <i>Electroanalysis</i> , <b>2011</b> , 23, 72-78	3	61
111	Multiway Processing of Data Generated with a Potentiometric Electronic Tongue in a SIA System. <i>Electroanalysis</i> , <b>2011</b> , 23, 953-961	3	7
110	Potentiometric electronic tongue to resolve mixtures of sulfide and perchlorate anions. <i>Sensors</i> , <b>2011</b> , 11, 3214-26	3.8	21
109	Two analyte calibrations from the transient response of a single potentiometric sensor employed with the SIA technique. <i>Talanta</i> , <b>2010</b> , 80, 1428-35	6.2	7
108	SIA system employing the transient response from a potentiometric sensor array--Correction of a saline matrix effect. <i>Talanta</i> , <b>2010</b> , 82, 931-8	6.2	15
107	Impedimetric detection of influenza A (H1N1) DNA sequence using carbon nanotubes platform and gold nanoparticles amplification. <i>Analyst, The</i> , <b>2010</b> , 135, 1765-72	5	45
106	Use of nanomaterials for impedimetric DNA sensors: a review. <i>Analytica Chimica Acta</i> , <b>2010</b> , 678, 7-17	6.6	151

105	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> , <b>2010</b> , 146, 420-426	8.5	45
104	Lead(II) ion selective electrodes with PVC membranes based on two bis-thioureas as ionophores: 1,3-bis(NSbenzoylthioureido)benzene and 1,3-bis(NSfuroylthioureido)benzene. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 181, 140-6	12.8	67
103	A voltammetric electronic tongue made of modified epoxy-graphite electrodes for the qualitative analysis of wine. <i>Mikrochimica Acta</i> , <b>2010</b> , 169, 261-268	5.8	49
102	DNA hybridization detection by electrochemical impedance spectroscopy using interdigitated gold nanoelectrodes. <i>Mikrochimica Acta</i> , <b>2010</b> , 170, 275-281	5.8	50
101	Electronic Tongues Employing Electrochemical Sensors. <i>Electroanalysis</i> , <b>2010</b> , 22, n/a-n/a	3	36
100	Computer controlled-flow injection potentiometric system based on virtual instrumentation for the monitoring of metal-biosorption processes. <i>Analytica Chimica Acta</i> , <b>2010</b> , 668, 26-34	6.6	5
99	Impedimetric genosensing of DNA polymorphism correlated to cystic fibrosis: a comparison among different protocols and electrode surfaces. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 26, 1245-51	11.8	25
98	A review of the use of the potentiometric electronic tongue in the monitoring of environmental systems. <i>Environmental Modelling and Software</i> , <b>2010</b> , 25, 1023-1030	5.2	83
97	Use of Sequential Injection Analysis to construct a Potentiometric Electronic Tongue: Application to the Multidetermination of Heavy Metals <b>2009</b> ,		1
96	Enhancing the electrochemical response of myoglobin with carbon nanotube electrodes. <i>Nanotechnology</i> , <b>2009</b> , 20, 355502	3.4	18
95	Resolution of Heavy Metal Mixtures from Highly Overlapped ASV Voltammograms Employing a Wavelet Neural Network. <i>Electroanalysis</i> , <b>2009</b> , 21, 445-451	3	9
94	Impedimetric genosensors employing COOH-modified carbon nanotube screen-printed electrodes. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 2885-91	11.8	53
93	Automated resolution of dichlorvos and methylparaoxon pesticide mixtures employing a Flow Injection system with an inhibition electronic tongue. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 1103-8	11.8	60
92	Electrochemical immunosensor for the diagnosis of celiac disease. <i>Analytical Biochemistry</i> , <b>2009</b> , 388, 229-34	3.1	39
91	Impedimetric detection of double-tagged PCR products using novel amplification procedures based on gold nanoparticles and Protein G. <i>Analyst, The</i> , <b>2009</b> , 134, 602-8	5	25
90	Electrocatalyzed O <sub>2</sub> response of myoglobin immobilized on multi-walled carbon nanotube forest electrodes. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 6132-8	1.3	1
89	Multivariate Calibration Model for a Voltammetric Electronic Tongue Based on a Multiple Output Wavelet Neural Network. <i>Studies in Computational Intelligence</i> , <b>2009</b> , 137-167	0.8	1
88	Wavelet Neural Network as a Multivariate Processing Tool in Electronic Tongues. <i>Advances in Intelligent and Soft Computing</i> , <b>2009</b> , 73-81		



87	Nutrient solution monitoring in greenhouse cultivation employing a potentiometric electronic tongue. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 1810-7	5.7	37
86	Wavelet neural networks to resolve the overlapping signal in the voltammetric determination of phenolic compounds. <i>Talanta</i> , <b>2008</b> , 76, 373-81	6.2	23
85	Remote environmental monitoring employing a potentiometric electronic tongue. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2008</b> , 88, 103-117	1.8	15
84	Electronic tongue for the determination of alkaline ions using a screen-printed potentiometric sensor array. <i>Mikrochimica Acta</i> , <b>2008</b> , 163, 81-88	5.8	22
83	Electronic Tongue Using an Enzyme Inhibition Biosensor Array for the Resolution of Pesticide Mixtures. <i>Electroanalysis</i> , <b>2008</b> , 20, 54-60	3	34
82	Dual-Genic Hybridization Sensor Employing Electrochemical Impedance Spectroscopy. <i>Electroanalysis</i> , <b>2008</b> , 20, 941-948	3	13
81	Use of pulse transient response as input information for an automated SIA electronic tongue. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 131, 77-84	8.5	19
80	Automated electronic tongue based on potentiometric sensors for the determination of a trinary anionic surfactant mixture. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2008</b> , 46, 213-8	3.5	21
79	Electrochemical behavior of rigid carbon nanotube composite electrodes. <i>Journal of Electroanalytical Chemistry</i> , <b>2008</b> , 619-620, 117-124	4.1	91
78	Bioelectronic tongue for the simultaneous determination of urea, creatinine and alkaline ions in clinical samples. <i>Biosensors and Bioelectronics</i> , <b>2008</b> , 23, 795-802	11.8	59
77	Resolution of binary mixtures of microorganisms using electrochemical impedance spectroscopy and artificial neural networks. <i>Biosensors and Bioelectronics</i> , <b>2008</b> , 24, 964-8	11.8	9
76	Signal amplification for impedimetric genosensing using gold-streptavidin nanoparticles. <i>Electrochimica Acta</i> , <b>2008</b> , 53, 4022-4029	6.7	59
75	Carbon Nanotubes and Electrochemistry. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2007</b> , 221, 1161-1173	3.1	15
74	Automated SIA System Using an Array of Potentiometric Sensors for Determining Alkaline-Earth Ions in Water. <i>Electroanalysis</i> , <b>2007</b> , 19, 644-651	3	15
73	Potentiometric bioelectronic tongue for the analysis of urea and alkaline ions in clinical samples. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 22, 2171-8	11.8	111
72	Use of sequential injection analysis to construct an electronic-tongue: application to multidetermination employing the transient response of a potentiometric sensor array. <i>Analytica Chimica Acta</i> , <b>2007</b> , 600, 97-104	6.6	34
71	Electronic tongues in flow analysis. <i>Analytica Chimica Acta</i> , <b>2007</b> , 600, 90-6	6.6	45
70	Characterization of an ion-selective polypyrrole coating and application to the joint determination of potassium, sodium and ammonium by electrochemical impedance spectroscopy and partial least squares method. <i>Analytica Chimica Acta</i> , <b>2007</b> , 597, 231-7	6.6	28

69	Simultaneous titration of ternary alkalineBarth mixtures employing a potentiometric electronic tongue. <i>Microchemical Journal</i> , <b>2007</b> , 87, 27-34	4.8	12
68	Application of a potentiometric electronic tongue to fertigation strategy in greenhouse cultivation. <i>Computers and Electronics in Agriculture</i> , <b>2007</b> , 57, 12-22	6.5	60
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