

Patrycja Ciosek-Skibińska

List of Publications by Year in descending order

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71
papers

2,384
citations

218677

26
h-index

206112

48
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72
all docs

72
docs citations

72
times ranked

2216
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensor arrays for liquid sensing – electronic tongue systems. <i>Analyst, The</i> , 2007, 132, 963.	3.5	358
2	Alginate: Current Use and Future Perspectives in Pharmaceutical and Biomedical Applications. <i>International Journal of Polymer Science</i> , 2016, 2016, 1-17.	2.7	344
3	The analysis of sensor array data with various pattern recognition techniques. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 85-93.	7.8	104
4	Classification of beverages using a reduced sensor array. <i>Sensors and Actuators B: Chemical</i> , 2004, 103, 76-83.	7.8	102
5	Direct and two-stage data analysis procedures based on PCA, PLS-DA and ANN for ISE-based electronic tongue – Effect of supervised feature extraction. <i>Talanta</i> , 2005, 67, 590-596.	5.5	102
6	Potentiometric Electronic Tongues for Foodstuff and Biosample Recognition – An Overview. <i>Sensors</i> , 2011, 11, 4688-4701.	3.8	90
7	Electronic tongue for flow-through analysis of beverages. <i>Sensors and Actuators B: Chemical</i> , 2006, 118, 454-460.	7.8	79
8	Polymeric membrane ion-selective and cross-sensitive electrode-based electronic tongue for qualitative analysis of beverages. <i>Analyst, The</i> , 2004, 129, 639-644.	3.5	73
9	The recognition of beer with flow-through sensor array based on miniaturized solid-state electrodes. <i>Talanta</i> , 2006, 69, 1156-1161.	5.5	54
10	Miniaturized electronic tongue with an integrated reference microelectrode for the recognition of milk samples. <i>Talanta</i> , 2008, 76, 548-556.	5.5	53
11	Potentiometric electronic tongue based on integrated array of microelectrodes. <i>Sensors and Actuators B: Chemical</i> , 2007, 127, 8-14.	7.8	50
12	Monitoring of beer fermentation based on hybrid electronic tongue. <i>Bioelectrochemistry</i> , 2012, 87, 104-113.	4.6	48
13	Milk classification by means of an electronic tongue and Support Vector Machine neural network. <i>Measurement Science and Technology</i> , 2006, 17, 1379-1384.	2.6	46
14	Independent comparison study of six different electronic tongues applied for pharmaceutical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 114, 321-329.	2.8	45
15	Performance of selective and partially selective sensors in the recognition of beverages. <i>Talanta</i> , 2007, 71, 738-746.	5.5	42
16	Electronic tongue for the detection of taste-masking microencapsulation of active pharmaceutical substances. <i>Bioelectrochemistry</i> , 2010, 80, 94-98.	4.6	41
17	Evaluation of organoleptic and texture properties of dried apples by hybrid electronic tongue. <i>Sensors and Actuators B: Chemical</i> , 2013, 187, 234-240.	7.8	38
18	The monitoring of methane fermentation in sequencing batch bioreactor with flow-through array of miniaturized solid state electrodes. <i>Talanta</i> , 2010, 81, 1387-1392.	5.5	36

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19	Evaluation of taste masking effect of diclofenac using sweeteners and cyclodextrin by a potentiometric electronic tongue. <i>Journal of Electroanalytical Chemistry</i> , 2016, 780, 153-159.	3.8	33
20	Taste-masking assessment of orally disintegrating tablets and lyophilisates with cetirizine dihydrochloride microparticles. <i>Saudi Pharmaceutical Journal</i> , 2017, 25, 1144-1150.	2.7	30
21	Monitoring of cell cultures with LTCC microelectrode array. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 2029-2038.	3.7	29
22	Tasting cetirizine-based microspheres with an electronic tongue. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 1190-1198.	7.8	29
23	Monitoring of periodic anaerobic digestion with flow-through array of miniaturized ion-selective electrodes. <i>Bioelectrochemistry</i> , 2010, 80, 87-93.	4.6	28
24	Towards flow-through/flow injection electronic tongue for the analysis of pharmaceuticals. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 1087-1094.	7.8	28
25	The Recognition of Growth Conditions and Metabolic Type of Plants by a Potentiometric Electronic Tongue. <i>Electroanalysis</i> , 2006, 18, 1266-1272.	2.9	27
26	Analysis of dialysate fluids with the use of a potentiometric electronic tongue. <i>Mikrochimica Acta</i> , 2008, 163, 139-145.	5.0	27
27	ISE-based sensor array system for classification of foodstuffs. <i>Measurement Science and Technology</i> , 2006, 17, 6-11.	2.6	26
28	Miniaturized tools and devices for bioanalytical applications: an overview. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 647-668.	3.7	25
29	Cysteine Immobilized On Monolayer Modified Back-Side Contact Miniaturized Sensors for Complexation of Copper Ions. <i>Electroanalysis</i> , 2013, 25, 1461-1471.	2.9	23
30	Comparison of various data analysis techniques applied for the classification of pharmaceutical samples by electronic tongue. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 570-580.	7.8	21
31	Potentiometric and hybrid electronic tongues for bioprocess monitoring – an overview. <i>Analytical Methods</i> , 2015, 7, 3958-3966.	2.7	20
32	Quantitative Analysis of Active Pharmaceutical Ingredients (APIs) Using a Potentiometric Electronic Tongue in a SIA Flow System. <i>Electroanalysis</i> , 2016, 28, 626-632.	2.9	20
33	Flow-through sensor array applied to cytotoxicity assessment in cell cultures for drug-testing purposes. <i>Biosensors and Bioelectronics</i> , 2014, 51, 55-61.	10.1	18
34	Influence of dissolution-modifying excipients in various pharmaceutical formulations on electronic tongue results. <i>Talanta</i> , 2017, 162, 203-209.	5.5	18
35	Utilization of Ethylcellulose Microparticles with Rupaadine Fumarate in Designing Orodispersible Minitablets with Taste Masking Effect. <i>Materials</i> , 2020, 13, 2715.	2.9	17
36	Characterization and taste masking evaluation of microparticles with cetirizine dihydrochloride and methacrylate-based copolymer obtained by spray drying. <i>Acta Pharmaceutica</i> , 2017, 67, 113-124.	2.0	16

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37	SIA system employing the transient response from a potentiometric sensor arrayâ€”Correction of a saline matrix effect. <i>Talanta</i> , 2010, 82, 931-938.	5.5	15
38	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> , 2013, 189, 179-186.	7.8	15
39	Polyurethane Membranes Used in Integrated Electronic Tongue for the Recognition of Tea and Herbal Products. <i>Electroanalysis</i> , 2009, 21, 2036-2043.	2.9	14
40	Ethylcellulose in Organic Solution or Aqueous Dispersion Form in Designing Taste-Masked Microparticles by the Spray Drying Technique with a Model Bitter Drug: Rumatidine Fumarate. <i>Polymers</i> , 2019, 11, 522.	4.5	14
41	Influence of Experimental Conditions on Electronic Tongue Resultsâ€”Case of Valsartan Minitablets Dissolution. <i>Sensors</i> , 2016, 16, 1353.	3.8	13
42	Microelectrode array fabricated in low temperature cofired ceramic (LTCC) technology. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 129-135.	2.5	12
43	Studying pharmacodynamic effects in cell cultures by chemical fingerprinting â€” SIA electronic tongue versus 2D fluorescence soft sensor. <i>Sensors and Actuators B: Chemical</i> , 2018, 272, 264-273.	7.8	12
44	Excitation-emission fluorescence matrix acquired from glutathione capped CdSeS/ZnS quantum dots in combination with chemometric tools for pattern-based sensing of neurotransmitters. <i>Mikrochimica Acta</i> , 2021, 188, 343.	5.0	12
45	Potentiometric Studies and Various Applications of Solid State Electrodes Based on Silicon and Epoxy Glass Structures â€” an Overview. <i>Electroanalysis</i> , 2009, 21, 1895-1905.	2.9	11
46	Critical Evaluation of Laboratory Potentiometric Electronic Tongues for Pharmaceutical Analysisâ€”An Overview. <i>Sensors</i> , 2019, 19, 5376.	3.8	11
47	Electrochemical monitoring of citric acid production by <i>Aspergillus niger</i> . <i>Analytica Chimica Acta</i> , 2014, 823, 25-31.	5.4	10
48	Performance of hybrid electronic tongue and HPLC coupled with chemometric analysis for the monitoring of yeast biotransformation. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 167, 69-77.	3.5	10
49	Orodispersible Films with Rumatidine Fumarate Enclosed in Ethylcellulose Microparticles as Drug Delivery Platform with Taste-Masking Effect. <i>Materials</i> , 2022, 15, 2126.	2.9	9
50	Two-dimensional fluorescence as soft sensor in the monitoring of biotransformation performed by yeast. <i>Biotechnology Progress</i> , 2017, 33, 299-307.	2.6	8
51	Quantum Dotsâ€”Assisted 2D Fluorescence for Pattern Based Sensing of Amino Acids, Oligopeptides and Neurotransmitters. <i>Sensors</i> , 2019, 19, 3655.	3.8	7
52	Development of a miniaturised electrochemical cell integrated on epoxy-glass laminate. <i>Mikrochimica Acta</i> , 2008, 163, 89-95.	5.0	6
53	Classification of amino acids and oligopeptides with the use of multi-mode chemical images obtained with ion selective electrode array. <i>Analytica Chimica Acta</i> , 2011, 699, 26-32.	5.4	6
54	Effect of lead accumulation in maize leaves on their chemical images created by a flow-through electronic tongue. <i>Talanta</i> , 2013, 103, 179-185.	5.5	6

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55	Assessment of taste masking of captopril by ion-exchange resins using electronic gustatory system. <i>Pharmaceutical Development and Technology</i> , 2020, 25, 281-289.	2.4	6
56	Comparison of various data analysis techniques applied for the classification of oligopeptides and amino acids by voltammetric electronic tongue. <i>Sensors and Actuators B: Chemical</i> , 2021, 331, 129354.	7.8	6
57	Excitation-emission matrix fluorescence spectroscopy for cell viability testing in UV-treated cell culture. <i>RSC Advances</i> , 2022, 12, 7652-7660.	3.6	6
58	Development of silicon-based electrochemical transducers. <i>Analytical Methods</i> , 2013, 5, 5464.	2.7	5
59	Dissolution studies of metamizole sodium and pseudoephedrine sulphate dosage forms – comparison and correlation of electronic tongue results with reference studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 242-248.	2.8	5
60	The Application of an Array of Sensors based on Boronic Acid Derivative for the Quantitative Analysis of Amino Acids. <i>Procedia Engineering</i> , 2012, 47, 522-525.	1.2	4
61	Differential Sensing of Saccharides Based on an Array of Fluorinated Benzosiloxaborole Receptors. <i>Sensors</i> , 2020, 20, 3540.	3.8	4
62	Milk and Dairy Products Analysis by Means of an Electronic Tongue. , 2016, , 209-223.		3
63	Probing an Artificial Polypeptide Receptor Library Using a Series of Novel Histamine H3 Receptor Ligands. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2014, 17, 141-156.	1.1	3
64	Influence of the Type and Amount of Plasticizer on the Sensory Properties of Microspheres Sensitive to Lipophilic Ions. , 2021, 5, .		3
65	Chemosensory Optode Array Based on Pluronic-Stabilized Microspheres for Differential Sensing. <i>Chemosensors</i> , 2022, 10, 2.	3.6	3
66	Ion Chromatographic Fingerprinting of STC-1 Cellular Response for Taste Sensing. <i>Sensors</i> , 2019, 19, 1062.	3.8	2
67	The Use of Ultrasounds in the Preparation of Chemosensory Microstructures. , 2021, 10, .		2
68	Miniaturized flow-through sensor array for methane fermentation monitoring. , 2009, , .		1
69	The Pt-Ni composite electrode as a part of an electronic tongue sensor array. , 2019, , .		0
70	Notice of Removal: 2D fluorescence of QDs-Co ²⁺ assembly for the discrimination of nucleotides. , 2022, , .		0
71	Influence of surfactant and chromoionophore type on the performance of generic lipophilic anion-sensitive nanospheres. , 2022, , .		0