

Larisa B Lvova

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

1,852
citations

279798
23
h-index

265206
42
g-index

82
all docs

82
docs citations

82
times ranked

1944
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.4	202
2	Electronic nose and electronic tongue integration for improved classification of clinical and food samples. <i>Sensors and Actuators B: Chemical</i> , 2000, 64, 15-21.	7.8	148
3	All-solid-state electronic tongue and its application for beverage analysis. <i>Analytica Chimica Acta</i> , 2002, 468, 303-314.	5.4	100
4	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.	7.8	99
5	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.	7.8	89
6	Determination of Oceanic Carbon Dioxide Using a Carbonate-Selective Electrode. <i>Analytical Chemistry</i> , 2002, 74, 2435-2440.	6.5	74
7	Multimodal Use of New Coumarin-Based Fluorescent Chemosensors: Towards Highly Selective Optical Sensors for Hg ²⁺ Probing. <i>Chemistry - A European Journal</i> , 2013, 19, 14639-14653.	3.3	66
8	Clinical analysis of human urine by means of potentiometric Electronic tongue. <i>Talanta</i> , 2009, 77, 1097-1104.	5.5	57
9	Chemical sensor array for multicomponent analysis of biological liquids. <i>Analytica Chimica Acta</i> , 1999, 385, 131-135.	5.4	55
10	Detection of alcohols in beverages: An application of porphyrin-based Electronic tongue. <i>Sensors and Actuators B: Chemical</i> , 2006, 118, 439-447.	7.8	55
11	A Perspective on Recent Advances in Piezoelectric Chemical Sensors for Environmental Monitoring and Foodstuffs Analysis. <i>Chemosensors</i> , 2019, 7, 39.	3.6	54
12	Porphyrin-based chemical sensors and multisensor arrays operating in the liquid phase. <i>Sensors and Actuators B: Chemical</i> , 2013, 179, 21-31.	7.8	51
13	Electronic tongue based on an array of metallic potentiometric sensors. <i>Talanta</i> , 2006, 70, 833-839.	5.5	49
14	Carbon nanotubes modified with porphyrin units for gaseous phase chemical sensing. <i>Sensors and Actuators B: Chemical</i> , 2012, 170, 163-171.	7.8	44
15	Metalloporphyrin - based Electronic Tongue: an Application for the Analysis of Italian White wines. <i>Sensors</i> , 2007, 7, 2750-2762.	3.8	43
16	Electronic tongue for microcystin screening in waters. <i>Biosensors and Bioelectronics</i> , 2016, 80, 154-160.	10.1	40
17	Multi-transduction sensing films for Electronic Tongue applications. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 1076-1086.	7.8	34
18	Chemical images by porphyrin arrays of sensors. <i>Mikrochimica Acta</i> , 2008, 163, 103-112.	5.0	33

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19	A Ferrocene-Porphyrin Ligand for Multi-Transduction Chemical Sensor Development. <i>Sensors</i> , 2013, 13, 5841-5856.	3.8	32
20	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.	7.8	29
21	Recent advances in magnesium assessment: From single selective sensors to multisensory approach. <i>Talanta</i> , 2018, 179, 430-441.	5.5	28
22	Corrole-based ion-selective electrodes. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009, 13, 1168-1178.	0.8	25
23	Γ^2 -Pyrazino-fused tetrarylporphyrins. <i>Dyes and Pigments</i> , 2013, 99, 136-143.	3.7	25
24	Recent Advances in Chemical Sensors for Soil Analysis: A Review. <i>Chemosensors</i> , 2022, 10, 35.	3.6	24
25	Photocurable carbonate-selective membranes for chemical sensors containing lipophilic additives. <i>Sensors and Actuators B: Chemical</i> , 1997, 44, 397-401.	7.8	23
26	A Fluorescent Sensor Array Based on Heteroatomic Macrocyclic Fluorophores for the Detection of Polluting Species in Natural Water Samples. <i>Frontiers in Chemistry</i> , 2018, 6, 258.	3.6	23
27	Electronic Tongue for Brand Uniformity Control: A Case Study of Apulian Red Wines Recognition and Defects Evaluation â€. <i>Sensors</i> , 2018, 18, 2584.	3.8	20
28	Salt release monitoring with specific sensors in âœin vitroâœoral and digestive environments from soft cheeses. <i>Talanta</i> , 2012, 97, 171-180.	5.5	19
29	Potentiometric E-Tongue System for Geosmin/Isoborneol Presence Monitoring in Drinkable Water. <i>Sensors</i> , 2020, 20, 821.	3.8	18
30	E-nose for the monitoring of plastics catalytic degradation through the released Volatile Organic Compounds (VOCs) detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 322, 128585.	7.8	17
31	Advances in Optical Sensors for Persistent Organic Pollutant Environmental Monitoring. <i>Sensors</i> , 2022, 22, 2649.	3.8	17
32	Systematic approach in Mg ²⁺ ions analysis with a combination of tailored fluorophore design. <i>Analytica Chimica Acta</i> , 2017, 988, 96-103.	5.4	16
33	Towards Hyphenated Sensors Development: Design and Application of Porphyrin Electropolymer Materials. <i>Electroanalysis</i> , 2012, 24, 776-789.	2.9	15
34	Non-enzymatic portable optical sensors for microcystin-LR. <i>Chemical Communications</i> , 2018, 54, 2747-2750.	4.1	15
35	The hyphenated CSPT-potentiometric analytical system: An application for vegetable oil quality control. <i>Sensors and Actuators B: Chemical</i> , 2009, 142, 457-463.	7.8	14
36	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.	7.8	14

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37	Chemical sensors for soil analysis: principles and applications. , 2017, , 637-678.		14
38	Aspergillus Species Discrimination Using a Gas Sensor Array. Sensors, 2020, 20, 4004.	3.8	14
39	Smartphone coupled with a paper-based optode: Towards a selective cyanide detection. Journal of Porphyrins and Phthalocyanines, 2020, 24, 964-972.	0.8	14
40	Unexpected Salt/Cocrystal Polymorphism of the Ketoprofenâ€“Lysine System: Discovery of a New Ketoprofenâ€“l-Lysine Salt Polymorph with Different Physicochemical and Pharmacokinetic Properties. Pharmaceuticals, 2021, 14, 555.	3.8	14
41	Platinum porphyrins as ionophores in polymeric membrane electrodes. Analyst, The, 2011, 136, 4966.	3.5	12
42	N ₂ S ₂ pyridinophane-based fluorescent chemosensors for selective optical detection of Cd ²⁺ in soils. New Journal of Chemistry, 2020, 44, 20834-20852.	2.8	10
43	Chemical traffic light: A self-calibrating naked-eye sensor for fluoride. Journal of Porphyrins and Phthalocyanines, 2019, 23, 117-124.	0.8	9
44	Potentiometric Polymeric Film Sensors Based on 5,10,15-tris(4-aminophenyl) Porphyrinates of Co(II) and Cu(II) for Analysis of Biological Liquids. International Journal of Electrochemistry, 2011, 2011, 1-8.	2.4	7
45	Photographic Detection of Cadmium(II) and Zinc(II) Ions. Procedia Engineering, 2016, 168, 346-350.	1.2	7
46	Chemical Sensors for Heavy Metals/Toxin Detection. Chemosensors, 2020, 8, 14.	3.6	7
47	The New Approach to a Pattern Recognition of Volatile Compounds: The Inflammation Markers in Nasal Mucus Swabs from Calves Using the Gas Sensor Array. Chemosensors, 2021, 9, 116.	3.6	7
48	E-tongue for Ecological Monitoring Purposes: The Case of Microcystins Detection. Procedia Engineering, 2014, 87, 1358-1361.	1.2	6
49	Electronic Tongue Principles and Applications in the Food Industry. , 2016, , 151-160.		6
50	Chemical Sensors for Water Potability Assessment. , 2019, , 177-208.		6
51	The Long-Lasting Story of One Sensor Development: From Novel Ionophore Design toward the Sensor Selectivity Modeling and Lifetime Improvement. Sensors, 2021, 21, 1401.	3.8	6
52	Phosphorous (V) Corrole Fluorophores for Nitrite Assessment in Environmental and Biological Samples. Chemosensors, 2022, 10, 107.	3.6	5
53	APPLICATION OF THE ELECTRONIC TONGUE TO MILK QUALITY MONITORING. , 2000, , .		4
54	SWCNTs Modified with Porphyrin Units for Chemical Sensing Applications. Procedia Engineering, 2010, 5, 1043-1046.	1.2	4

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55	Wine and Combined Electronic Nose and Tongue. , 2016, , 301-307.		4
56	Fast Optical Sensing of Metals: A Case Study of Cu ²⁺ Assessment in Soils. ECS Journal of Solid State Science and Technology, 2020, 9, 061004.	1.8	4
57	Disposable array sensor strip for quantification of sinensetin in Orthosiphon stamineus Benth samples. Mikrochimica Acta, 2008, 163, 113-119.	5.0	3
58	Fluorimetric Chemosensors Combined with Familiar CSPT Devices for the Selective Detection of Mercury(II) Ions. Procedia Engineering, 2012, 47, 334-337.	1.2	3
59	Editorial: Multisensor Systems for Analysis of Liquids and Gases: Trends and Developments. Frontiers in Chemistry, 2018, 6, 591.	3.6	3
60	Response Standardization for Drift Correction and Multivariate Calibration Transfer in "Electronic Tongue" Studies. Methods in Molecular Biology, 2019, 2027, 181-194.	0.9	3
61	Selective Detection of Mg ²⁺ for Sensing Applications in Drinking Water. Chemistry - A European Journal, 2022, 28, .	3.3	3
62	Electronic tongue based on porphyrins for Apulian red wines defects detection. , 2017, , .		2
63	Crown-Porphyrin Ligand for Optical Sensors Development. Proceedings (mdpi), 2018, 2, 922.	0.2	2
64	Porphyrin Electropolymers as Opto-electrochemical Probe for the Detection of Red-ox Analytes. Lecture Notes in Electrical Engineering, 2014, , 49-55.	0.4	1
65	Joining Chromophores: a Porphyrin-BPI Fused System. European Journal of Organic Chemistry, 2019, 2019, 655-659.	2.4	1
66	Keeping Track of Phaeodactylum tricornutum (Bacillariophyta) Culture Contamination by Potentiometric E-Tongue. Sensors, 2021, 21, 4052.	3.8	1
67	CHEMICAL IMAGES OF LIQUIDS. , 2007, , 63-95.		1
68	ANALYSIS OF ITALIAN WHITE WINES BY A PORPHYRIN BASED 'ELECTRONIC TONGUE' SYSTEM. , 2008, , .		1
69	Hybrid and optical multisensory systems for liquid analysis: theoretical basis, trends and applications. , 0, , .		1
70	An 'electronic tongue' system based on an array of metallic potentiometric sensors. , 0, , .		0
71	Porphyrin Electropolymers For Application In Hyphenated Chemical Sensors. , 2009, , .		0
72	(Invited) Porphyrin Assemblies for Chemical Sensors Development. ECS Meeting Abstracts, 2010, , .	0.0	0

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73	An Application of Specific Sensors For The Monitoring of NaCl in Soft Cheeses. , 2011, , .		0
74	Sensing materials with a concurrent sensitivity: design, synthesis and application in multisensory systems. , 2011, , .		0
75	Optical sensors cross-sensitivity amendment: The case study of heavy metals CSPT detection. , 2013, , .		0
76	E-tongue based on Porphyrin Electropolymers for Apulian Red Wines Defects Detection. Proceedings (mdpi), 2017, 1, 489.	0.2	0
77	Optical sensor array based on P(V) corroles for fluorometric detection of nitrite. , 2019, , .		0
78	Chemical traffic light: A self-calibrating naked-eye sensor for fluoride. , 2021, , 983-990.		0
79	P2.1.15 Hybrid sensor array for the analysis of Sudan family colorants. , 2012, , .		0
80	- Photocurable Polymer Membrane Ion Sensors and Their Application for Multicomponent Analysis. , 2014, , 58-85.		0
81	P2AR.8 - The discrimination of cannabis seed oils and flours by an array of porphyrinoids based gas sensors. , 2018, , .		0