

Yuri G Vlasov

List of Publications by Year in descending order

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72
papers

2,927
citations

147801

31
h-index

168389

53
g-index

72
all docs

72
docs citations

72
times ranked

1742
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and chemosensing properties of cinnoline-containing poly(arylene ethynylene)s. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 373-384.	2.2	19
2	New membrane material for thallium (I)-selective sensors based on arsenic sulfide glasses. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 940-944.	7.8	8
3	Spectroscopic study of dyes for pH and methanol sensing. <i>Dyes and Pigments</i> , 2009, 83, 381-384.	3.7	3
4	Detection of ultra-low activities of heavy metal ions by an array of potentiometric chemical sensors. <i>Mikrochimica Acta</i> , 2008, 163, 71-80.	5.0	37
5	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.	6.5	17
6	Immobilization of Urease and Cholinesterase on the Surface of Semiconductor Transducer for the Development of Light-Addressable Potentiometric Sensors. <i>Mikrochimica Acta</i> , 2004, 144, 41-50.	5.0	35
7	Fermentation monitoring using multisensor systems: feasibility study of the electronic tongue. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 391-395.	3.7	64
8	Electronic tongue for pharmaceutical analytics: quantification of tastes and masking effects. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 380, 36-45.	3.7	82
9	Laser-scanned silicon transducer (LSST) as a multisensor system. <i>Sensors and Actuators B: Chemical</i> , 2004, 103, 457-462.	7.8	16
10	Solvent polymeric membranes based on tridodecylmethylammonium chloride studied by potentiometry and electrochemical impedance spectroscopy. <i>Analytica Chimica Acta</i> , 2004, 514, 107-113.	5.4	19
11	Potentiometric and impedance studies of membranes based on anion-exchanger and lipophilic inert electrolyte ETH 500. <i>Electrochimica Acta</i> , 2004, 49, 5203-5207.	5.2	11
12	Potentiometric and theoretical studies of the carbonate sensors based on 3-bromo-4-hexyl-5-nitrotrifluoroacetophenone. <i>Analyst</i> , The, 2004, 129, 213.	3.5	27
13	Analytical characteristics and sensitivity mechanisms of electrolyte-insulator-semiconductor system-based chemical sensors? a critical review. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 788-796.	3.7	39
14	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
15	Chapter 10 Electronic tongues: new analytical perspective for chemical sensors. <i>Comprehensive Analytical Chemistry</i> , 2003, , 437-486.	1.3	21
16	Determination of cyanide using flow-injection multisensor system. <i>Talanta</i> , 2002, 58, 1071-1076.	5.5	22
17	Electronic tongues and their analytical application. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 373, 136-146.	3.7	174
18	Recognition of liquid and flesh food using an 'electronic tongue'. <i>International Journal of Food Science and Technology</i> , 2002, 37, 375-385.	2.7	46

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19	Cross-sensitive chemical sensors based on tetraphenylporphyrin and phthalocyanine. <i>Analytica Chimica Acta</i> , 2002, 457, 297-303.	5.4	37
20	All-solid-state electronic tongue and its application for beverage analysis. <i>Analytica Chimica Acta</i> , 2002, 468, 303-314.	5.4	100
21	Multicomponent thin films for electrochemical sensor applications prepared by pulsed laser deposition. <i>Sensors and Actuators B: Chemical</i> , 2001, 76, 327-330.	7.8	32
22	Can pulsed laser deposition serve as an advanced technique in fabricating chemical sensors?. <i>Sensors and Actuators B: Chemical</i> , 2001, 78, 273-278.	7.8	56
23	Copper, cadmium and thallium thin film sensors based on chalcogenide glasses. <i>Analytica Chimica Acta</i> , 2001, 433, 103-110.	5.4	51
24	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.	5.2	88
25	Title is missing!. <i>Journal of Analytical Chemistry</i> , 2001, 56, 393-394.	0.9	0
26	A flow injection system based on chalcogenide glass sensors for the determination of heavy metals. <i>Analytica Chimica Acta</i> , 2000, 403, 273-277.	5.4	57
27	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.	7.8	53
28	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
29	A new thin-film Pb microsensor based on chalcogenide glasses. <i>Sensors and Actuators B: Chemical</i> , 2000, 71, 13-18.	7.8	39
30	«Electronic tongue» – 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.	7.8	100
31	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
32	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.	7.8	80
33	Chemical sensor array for multicomponent analysis of biological liquids. <i>Analytica Chimica Acta</i> , 1999, 385, 131-135.	5.4	55
34	Chalcogenide-based thin film sensors prepared by pulsed laser deposition technique. <i>Applied Physics A: Materials Science and Processing</i> , 1999, 69, S803-S805.	2.3	24
35	Application of Electronic Tongue for Quantitative Analysis of Mineral Water and Wine. <i>Electroanalysis</i> , 1999, 11, 814-820.	2.9	124
36	<title>Pulsed-laser deposition as a novel preparation technique for chemical microsensors</title>. , 1999, , .		7

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37	Photocurable carbonate-selective membranes for chemical sensors containing lipophilic additives. <i>Sensors and Actuators B: Chemical</i> , 1997, 44, 397-401.	7.8	23
38	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.	7.8	112
39	Tasting of beverages using an electronic tongue. <i>Sensors and Actuators B: Chemical</i> , 1997, 44, 291-296.	7.8	187
40	Surface plasmon resonance monitoring by means of polarization state measurement in reflected light as the basis of a DNA-probe biosensor. <i>Sensors and Actuators B: Chemical</i> , 1996, 30, 77-80.	7.8	61
41	Cross-sensitivity of chalcogenide glass sensors in solutions of heavy metal ions. <i>Sensors and Actuators B: Chemical</i> , 1996, 34, 456-461.	7.8	56
42	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.	7.8	75
43	The nitrate-selective sensor with crystalline membrane. <i>Sensors and Actuators B: Chemical</i> , 1995, 27, 369-371.	7.8	2
44	Fixation of DNA directly on optical waveguide surfaces for molecular probe biosensor development. <i>Sensors and Actuators B: Chemical</i> , 1995, 29, 324-327.	7.8	18
45	Development and analytical evaluation of a multisensor system for water quality monitoring. <i>Sensors and Actuators B: Chemical</i> , 1995, 27, 377-379.	7.8	21
46	Analytical applications of chalcogenide glass chemical sensors in environmental monitoring and process control. <i>Sensors and Actuators B: Chemical</i> , 1995, 24, 309-311.	7.8	50
47	A mercury sensor for flow- and batch-injection analyses. <i>Sensors and Actuators B: Chemical</i> , 1995, 24, 317-319.	7.8	11
48	New photocurable composition for ISFET polymer membranes. <i>Sensors and Actuators B: Chemical</i> , 1994, 19, 625-628.	7.8	21
49	Chalcogenide glass chemical sensors: Relationship between ionic response, surface ion exchange and bulk membrane transport. <i>Journal of Electroanalytical Chemistry</i> , 1994, 378, 201-204.	3.8	14
50	Chalcogenide glass chemical sensors: Research and analytical applications. <i>Talanta</i> , 1994, 41, 1059-1063.	5.5	73
51	Ion-selective field-effect transistor and chalcogenide glass ion-selective electrode systems for biological investigations and industrial applications. <i>Analyst</i> , The, 1994, 119, 449.	3.5	17
52	Sensor R&D in the former Soviet Union. <i>Sensors and Actuators B: Chemical</i> , 1993, 15, 6-15.	7.8	12
53	Thin-layer chemical sensors based on chemically deposited and modified chalcogenide glasses. <i>Sensors and Actuators B: Chemical</i> , 1993, 15, 184-187.	7.8	23
54	Analytical applications of pH-ISFETs. <i>Sensors and Actuators B: Chemical</i> , 1992, 10, 1-6.	7.8	16

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55	Ion-implanted chalcogenide glasses as membrane materials for solid-state chemical sensors. Sensors and Actuators B: Chemical, 1992, 7, 501-504.	7.8	4
56	Mechanism studies on lead ion-selective chalcogenide glass sensors. Sensors and Actuators B: Chemical, 1992, 10, 55-60.	7.8	16
57	Optical and thermal sensitivity of pH-ISFET with Ta2O5 membrane. Sensors and Actuators A: Physical, 1991, 28, 197-202.	4.1	9
58	Enzyme semiconductor sensor based on butyrylcholinesterase. Sensors and Actuators B: Chemical, 1991, 4, 283-286.	7.8	27
59	Membrane-oxide semiconductor field-effect transistor (MOSFET) sensors. Mikrochimica Acta, 1991, 104, 363-377.	5.0	7
60	Silver ion sensors based on Ag ⁺ -As ⁺ -Se ⁺ -Te glasses I. Ionic sensitivity and bulk membrane transport. Sensors and Actuators B: Chemical, 1990, 2, 23-31.	7.8	23
61	Silver ion sensors based on Ag-As-Se-Te glasses II. Surface studies and tracer measurements of ion response. Sensors and Actuators B: Chemical, 1990, 2, 43-49.	7.8	6
62	Investigation of pH-sensitive ISFETs with oxide and nitride membranes using colloid chemistry methods. Sensors and Actuators B: Chemical, 1990, 1, 357-360.	7.8	12
63	SENSING MECHANISM OF ION-SELECTIVE CHALCOGENIDE GLASS ELECTRODES. , 1989, , 243-294.		3
64	Conversion electron Mössbauer spectroscopic study of Fe-Implanted AgAsS ₂ Glass. Journal of Non-Crystalline Solids, 1989, 113, 203-209.	3.1	4
65	Silver bromide based chalcogenide glassy-crystalline ion-selective electrodes. Analyst, The, 1989, 114, 185.	3.5	21
66	COPPER-SELECTIVE FIELD-EFFECT TRANSISTOR (ISFET) WITH CHALCOGENIDE MEMBRANE. , 1989, , 625-638.		1
67	DEVELOPMENT OF ISFET USING GLASSY SOLID ELECTROLYTES. , 1989, , 173-189.		6
68	ESR and Mössbauer spectroscopy of iron-doped Ag ⁺ -As ⁺ -S and Ge ⁺ -Sb ⁺ -Se glasses. Journal of Non-Crystalline Solids, 1987, 97-98, 659-662.	3.1	1
69	Compositional dependence of ionic conductivity and diffusion in mixed chalcogen Ag-containing glasses. Solid State Ionics, 1987, 24, 179-187.	2.7	40
70	Copper ion-selective chalcogenide glass electrodes. Analytica Chimica Acta, 1986, 185, 137-158.	5.4	57
71	Impurity conductivity in chalcogenide glasses doped with iron in equilibrium way by cooling from melt. Journal of Non-Crystalline Solids, 1980, 35-36, 901-905.	3.1	18
72	Peculiarities of DNA detection using evanescent field biosensing. , 0, , .		1