

Vasil Andruch

List of Publications by Year in descending order

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98
papers

3,918
citations

147801

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docs citations

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3043
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#	ARTICLE	IF	CITATIONS
1	Application of deep eutectic solvents in atomic absorption spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 147, 116510.	11.4	14
2	Remarks on use of the term "deep eutectic solvent" in analytical chemistry. <i>Microchemical Journal</i> , 2022, 179, 107498.	4.5	22
3	Application of deep eutectic solvents in bioanalysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 154, 116660.	11.4	23
4	Deep Eutectic Solvents or Eutectic Mixtures? Characterization of Tetrabutylammonium Bromide and Nonanoic Acid Mixtures. <i>Journal of Physical Chemistry B</i> , 2022, 126, 3889-3896.	2.6	22
5	Green analytical chemistry as an integral part of sustainable education development. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 31, 100508.	5.9	33
6	Investigation of tetrabutylammonium bromide-glycerol-based deep eutectic solvents and their mixtures with water by spectroscopic techniques. <i>Journal of Molecular Liquids</i> , 2021, 330, 115617.	4.9	27
7	An environmentally friendly cloud point extraction "spectrophotometric determination of trace vanadium using a novel reagent. <i>Journal of Molecular Liquids</i> , 2021, 334, 116086.	4.9	12
8	Closer look into the structures of tetrabutylammonium bromide "glycerol-based deep eutectic solvents and their mixtures with water. <i>Journal of Molecular Liquids</i> , 2021, 338, 116676.	4.9	13
9	Application of deep eutectic solvents for separation and determination of bioactive compounds in medicinal plants. <i>Industrial Crops and Products</i> , 2021, 172, 114047.	5.2	44
10	Liquid-phase microextraction: update May 2016 to December 2018. <i>Applied Spectroscopy Reviews</i> , 2020, 55, 307-326.	6.7	28
11	Deep eutectic solvents vs ionic liquids: Similarities and differences. <i>Microchemical Journal</i> , 2020, 159, 105539.	4.5	243
12	Deep eutectic solvents are not only effective extractants. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 129, 115956.	11.4	144
13	The role of water in deep eutectic solvent-base extraction. <i>Journal of Molecular Liquids</i> , 2020, 304, 112747.	4.9	134
14	Application of liquid-phase microextraction to the analysis of plant and herbal samples. <i>Phytochemical Analysis</i> , 2020, 31, 687-699.	2.4	13
15	Simultaneous determination of three carbamate pesticides using vortex-assisted liquid-liquid microextraction combined with HPLC-amperometric detection. <i>Microchemical Journal</i> , 2019, 150, 104071.	4.5	26
16	Liquid-phase microextraction: A review of reviews. <i>Microchemical Journal</i> , 2019, 149, 103989.	4.5	143
17	In situ decomposition of deep eutectic solvent as a novel approach in liquid-liquid microextraction. <i>Analytica Chimica Acta</i> , 2019, 1065, 49-55.	5.4	69
18	Liquid Phase and Microwave-Assisted Extractions for Multicomponent Phenolic Pattern Determination of Five Romanian Galium Species Coupled with Bioassays. <i>Molecules</i> , 2019, 24, 1226.	3.8	24

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19	Recent advances in the application of nanoparticles in cloud point extraction. <i>Journal of Molecular Liquids</i> , 2019, 281, 93-99.	4.9	21
20	Development of novel techniques to extract phenolic compounds from Romanian cultivars of <i>Prunus domestica</i> L. and their biological properties. <i>Food and Chemical Toxicology</i> , 2018, 119, 189-198.	3.6	40
21	Use of Innovative (Micro)Extraction Techniques to Characterise <i>Harpagophytum procumbens</i> Root and its Commercial Food Supplements. <i>Phytochemical Analysis</i> , 2018, 29, 233-241.	2.4	38
22	Simultaneous determination of rutin and ascorbic acid in a sequential injection lab-at-valve system. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 179-184.	2.8	16
23	Use of sequential injection analysis with lab-at-valve and an optical probe for simultaneous spectrophotometric determination of ascorbic acid and cysteine by mean centering of ratio kinetic profiles. <i>Talanta</i> , 2018, 188, 99-106.	5.5	17
24	Determination of Thiamine as a Complex with 11-Molybdo-bismutho(III)phosphate in Sequential Injection Lab-at-valve System. <i>Methods and Objects of Chemical Analysis</i> , 2018, 13, 53-63.	0.4	1
25	Vortex-assisted liquid-liquid microextraction procedure for iodine speciation in water samples. <i>Microchemical Journal</i> , 2017, 132, 59-68.	4.5	19
26	Automated sugaring-out liquid-liquid extraction based on flow system coupled with HPLC-UV for the determination of procainamide in urine. <i>Talanta</i> , 2017, 167, 709-713.	5.5	24
27	Ligandless switchable solvent based liquid phase microextraction of nickel from food and cigarette samples prior to its micro-sampling flame atomic absorption spectrometric determination. <i>Journal of Molecular Liquids</i> , 2017, 237, 236-241.	4.9	48
28	A two-in-one device for online monitoring of direct immersion single-drop microextraction: an optical probe as both microdrop holder and measuring cell. <i>RSC Advances</i> , 2017, 7, 29421-29427.	3.6	23
29	Automated solid sample dissolution coupled with sugaring-out homogenous liquid-liquid extraction. Application for the analysis of throat lozenge samples. <i>Journal of Molecular Liquids</i> , 2017, 233, 149-155.	4.9	8
30	Automated alkaline-induced salting-out homogeneous liquid-liquid extraction coupled with in-line organic-phase detection by an optical probe for the determination of diclofenac. <i>Talanta</i> , 2017, 169, 156-162.	5.5	29
31	Flow method based on liquid-liquid extraction using deep eutectic solvent for the spectrofluorimetric determination of procainamide in human saliva. <i>Talanta</i> , 2017, 168, 307-312.	5.5	38
32	A green cloud-point extraction-chromogenic system for vanadium determination. <i>Journal of Molecular Liquids</i> , 2017, 248, 135-142.	4.9	20
33	Application of deep eutectic solvents in analytical chemistry. A review. <i>Microchemical Journal</i> , 2017, 135, 33-38.	4.5	442
34	Ten years of dispersive liquid-liquid microextraction and derived techniques. <i>Applied Spectroscopy Reviews</i> , 2017, 52, 267-415.	6.7	78
35	Spectrophotometric determination of mercury using vortex-assisted liquid-liquid microextraction. <i>Turkish Journal of Chemistry</i> , 2016, 40, 965-973.	1.2	6
36	Classification and terminology in dispersive liquid-liquid microextraction. <i>Microchemical Journal</i> , 2016, 127, 184-186.	4.5	40

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37	Using an Optical Probe as the Microdrop Holder in Headspace Single Drop Microextraction: Determination of Sulfite in Food Samples. <i>Analytical Chemistry</i> , 2016, 88, 10296-10300.	6.5	52
38	A fully automated effervescence assisted dispersive liquid-liquid microextraction based on a stepwise injection system. Determination of antipyrine in saliva samples. <i>Analytica Chimica Acta</i> , 2016, 902, 129-134.	5.4	33
39	A novel vortex-assisted liquid-liquid microextraction approach using auxiliary solvent: Determination of iodide in mineral water samples. <i>Talanta</i> , 2016, 149, 110-116.	5.5	23
40	Interfacial reaction using particle-immobilized reagents in a fluidized reactor. Determination of glycerol in biodiesel. <i>Analytica Chimica Acta</i> , 2016, 914, 75-80.	5.4	17
41	A fully automated effervescence-assisted switchable solvent-based liquid phase microextraction procedure: Liquid chromatographic determination of ofloxacin in human urine samples. <i>Analytica Chimica Acta</i> , 2016, 907, 54-59.	5.4	93
42	Stepwise injection determination of isoniazid in human urine samples coupled with generalized calibration method. <i>Microchemical Journal</i> , 2015, 123, 111-117.	4.5	8
43	Vibrational spectroscopic study of dehydroacetic acid and its cinnamoyl pyrone derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 146, 97-112.	3.9	2
44	Recent achievements in solidified floating organic drop microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 68, 48-77.	11.4	88
45	Application of cinnamoyl derivative as a new ligand for dispersive liquid-liquid microextraction and spectrophotometric determination of cobalt. <i>Journal of Analytical Chemistry</i> , 2015, 70, 298-304.	0.9	12
46	Liquid-liquid microextraction and spectrophotometric determination of anionic surfactants using Astra Phloxine FF. <i>International Journal of Environmental Analytical Chemistry</i> , 2015, 95, 217-224.	3.3	10
47	Application of solidification of floating organic drop microextraction for inorganic anions: Determination of phosphate in water samples. <i>Microchemical Journal</i> , 2015, 122, 10-15.	4.5	16
48	Visual detection and sequential injection determination of aluminium using a cinnamoyl derivative. <i>Talanta</i> , 2015, 133, 27-33.	5.5	15
49	An automatic, vigorous-injection assisted dispersive liquid-liquid microextraction technique for stopped-flow spectrophotometric detection of boron. <i>Talanta</i> , 2015, 133, 127-133.	5.5	39
50	Fully automated on-line flow-batch based ultrasound-assisted surfactant-mediated extraction and determination of anthraquinones in medicinal plants. <i>Microchemical Journal</i> , 2014, 116, 98-106.	4.5	21
51			
52	A single-valve sequential injection manifold (SV-SIA) for automation of air-assisted liquid-phase microextraction: stopped flow spectrophotometric determination of chromium(vi). <i>Analytical Methods</i> , 2013, 5, 2497.	2.7	45
53	Solvent microextraction: A review of recent efforts at automation. <i>Microchemical Journal</i> , 2013, 110, 599-607.	4.5	64
54	Five Years of Dispersive Liquid-Liquid Microextraction. <i>Applied Spectroscopy Reviews</i> , 2013, 48, 161-259.	6.7	74

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55	A comparison of various modes of liquid-liquid based microextraction techniques: Determination of picric acid. <i>Journal of Separation Science</i> , 2013, 36, 932-938.	2.5	16
56	Application of ultrasonic irradiation and vortex agitation in solvent microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 49, 1-19.	11.4	101
57	The present state of coupling of dispersive liquid-liquid microextraction with atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 19-32.	3.0	57
58	Dispersive liquid-phase microextraction procedure for spectrometric determination of cadmium. <i>Microchemical Journal</i> , 2013, 107, 3-9.	4.5	9
59	A glance at achievements in the coupling of headspace and direct immersion single-drop microextraction with chromatographic techniques. <i>Journal of Separation Science</i> , 2013, 36, 3758-3768.	2.5	25
60	A Novel, Donor-Active Solvent-Assisted Liquid-Phase Microextraction Procedure for Spectrometric Determination of Zinc. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	0
61	Dispersive liquid-liquid microextraction procedure for spectrometric determination of cadmium. <i>Microchemical Journal</i> , 2013, 107, 3-9.	4.5	9
62	A dispersive liquid-liquid microextraction procedure for UV-Vis spectrophotometric determination of chromium(vi) in water samples. <i>Analytical Methods</i> , 2012, 4, 1410.	2.7	22
63	Using dimethyl indocarbocyanide (DIC) as ion-pair agent for chromium speciation and its application in GFAAS analysis of water. <i>Analytical Methods</i> , 2012, 4, 2361.	2.7	7
64	Application of DV-SIA manifold for determination of thiocyanate ions in human saliva samples. <i>Talanta</i> , 2012, 96, 107-112.	5.5	23
65	A non-extractive sequential injection method for determination of molybdenum. <i>Talanta</i> , 2012, 96, 185-189.	5.5	9
66	Highly sensitive sequential injection determination of p-aminophenol in paracetamol formulations with 18-molybdodiphosphate heteropoly anion based on elimination of Schlieren effect. <i>Talanta</i> , 2012, 96, 230-235.	5.5	23
67	Automatic determination of copper by in-syringe dispersive liquid-liquid microextraction of its bathocuproine-complex using long path-length spectrophotometric detection. <i>Talanta</i> , 2012, 99, 349-356.	5.5	67
68	A spectrophotometric method for manganese determination in water samples based on ion pair formation and dispersive liquid-liquid microextraction. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 1059-1071.	3.3	12
69	Automated on-line dispersive liquid-liquid microextraction based on a sequential injection system. <i>Microchemical Journal</i> , 2012, 100, 77-82.	4.5	91
70	Recent advances in coupling single-drop and dispersive liquid-liquid microextraction with UV-vis spectrophotometry and related detection techniques. <i>Microchemical Journal</i> , 2012, 102, 1-10.	4.5	81
71	Recent advances in dispersive liquid-liquid microextraction using organic solvents lighter than water. A review. <i>Microchemical Journal</i> , 2012, 102, 11-17.	4.5	252
72	A novel, environmentally friendly procedure for copper extraction using dimethylindodicarbocyanine dye and subsequent graphite furnace atomic absorption spectrometric detection. <i>Analytical Methods</i> , 2011, 3, 2412.	2.7	6

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73	Sequential injection determination of orthophosphate as ion associate of 12-molybdophosphate with Astra Phloxine. <i>Talanta</i> , 2011, 84, 1355-1360.	5.5	5
74	A dispersive liquid-liquid microextraction procedure for determination of boron in water after ultrasound-assisted conversion to tetrafluoroborate. <i>Talanta</i> , 2011, 85, 541-545.	5.5	40
75	Application of a bisindocarbocyanine reagent for dispersive liquid-liquid microextraction of silver with subsequent spectrophotometric determination. <i>Microchemical Journal</i> , 2011, 99, 514-522.	4.5	27
76	Extractive separation, preconcentration, spectrophotometric and atomic absorption determination of gold as an ion associate with 2-[2-(4-methoxyphenylamino)vinyl]-1,3,3-trimethyl-3H-indolium chloride. <i>Journal of Analytical Chemistry</i> , 2011, 66, 800-806.	0.9	1
77	A novel, environmentally friendly dispersive liquid-liquid microextraction procedure for the determination of copper. <i>Microchemical Journal</i> , 2011, 99, 40-45.	4.5	62
78	A Novel Non-Extractive Sequential Injection Procedure for Determination of Cadmium. <i>Analytical Letters</i> , 2011, 44, 431-445.	1.8	10
79	A novel dual-valve sequential injection manifold (DV-SIA) for automated liquid-liquid extraction. Application for the determination of picric acid. <i>Analytica Chimica Acta</i> , 2010, 666, 55-61.	5.4	21
80	An air-assisted liquid-liquid extraction using a dual-valve sequential injection manifold (DV-SIA): Determination of copper. <i>Analytical Methods</i> , 2010, 2, 1134.	2.7	25
81	11-Molybdobismuthophosphate: A new reagent for the determination of ascorbic acid in batch and sequential injection systems. <i>Talanta</i> , 2010, 80, 1838-1845.	5.5	15
82	A novel approach in dispersive liquid-liquid microextraction based on the use of an auxiliary solvent for adjustment of density. <i>Talanta</i> , 2010, 82, 1958-1964.	5.5	71
83	The application of ultrasound for the improvement of analytical procedures: Determination of boron. <i>Analytical Methods</i> , 2010, 2, 1275.	2.7	10
84	Determination of Cu(III) in semiconductor ceramics using cationic violet reagent. <i>Mikrochimica Acta</i> , 2009, 166, 145-150.	5.0	3
85	Spectrophotometric determination of [2-(2,6-dichloro-phenylamino)-phenyl]-acetic acid in pure form and in pharmaceuticals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 74, 1209-1214.	3.9	3
86	A simple method of boron determination in mineral waters using Victoria blue 4R. <i>International Journal of Environmental Analytical Chemistry</i> , 2009, 89, 449-459.	3.3	16
87	Methods for the determination of adenosine triphosphate and other adenine nucleotides. <i>Journal of Analytical Chemistry</i> , 2009, 64, 657-673.	0.9	83
88	Investigation of the Reaction of Gold(III) with 2-((4-Dimethylamino)Phenyl)vinyl]-1,3,3-Trimethyl-3H-Indolium. Application for Determination of Gold. <i>Journal of the Chinese Chemical Society</i> , 2009, 56, 1168-1174.	1.4	4
89	An investigation of the reaction of copper ions with dimethylindodicarbocyanine dye: An application for the determination of Cu(I), Cu(II) and Cu(III). <i>Talanta</i> , 2008, 76, 111-115.	5.5	20
90	Fluorescent Iminodiacetamide Derivatives as Potential Ionophores for Optical Zinc Ion-selective Sensors. <i>Analytical Sciences</i> , 2008, 24, 727-733.	1.6	14

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91	Rapid, sensitive and selective spectrophotometric determination of phosphate as an ion associate of 12-molybdophosphate with Astra Phloxine. <i>Mikrochimica Acta</i> , 2007, 159, 371-378.	5.0	12
92	Separation of chromium (VI) using complexation and its determination with GFAAS. <i>Microchemical Journal</i> , 2006, 82, 61-65.	4.5	30
93	Investigation of 2-[(E)-2-(4-diethylaminophenyl)-1-ethenyl]-1,3,3-trimethyl-3H-indolium as a new highly sensitive reagent for the spectrophotometric determination of nitrophenols. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 1431-1437.	3.7	21
94	Spectrophotometric determination of manganese with derivatives of 1,3,3-trimethyl-2-[3-(1,3,3-trimethyl-1,3-H-indol-2-ylidene)propenyl]-3 H-indolium. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 377, 709-714.	3.7	9
95	Investigation of 2-[2-(4-Methoxy-phenylamino)-vinyl]-1,3,3-trimethyl-3H-indolium Chloride as a New Reagent for the Determination of Chromium(VI). <i>Mikrochimica Acta</i> , 2003, 142, 109-113.	5.0	17
96	2-(4-Dimethylaminostyryl)-1,3,3-trimethyl-2,3-dihydroindole as a New Reagent for the Extractive Spectrophotometric Determination of Selenium.. <i>Analytical Sciences</i> , 2000, 16, 973-974.	1.6	5
97	Spectrophotometric study of the complexation and extraction of chromium(VI) with cyanine dyes. <i>Talanta</i> , 2000, 53, 543-549.	5.5	28
98	Comparative spectrophotometric study of the complexation and extraction of tellurium with various halide ions and N,N ^ε -di(acetoxyethyl)indocarbocyanine. <i>Analytica Chimica Acta</i> , 1999, 386, 161-167.	5.4	8