

Vasil Andruch

List of Publications by Year in descending order

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98
papers

3,918
citations

147566

31
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133063

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all docs

98
docs citations

98
times ranked

3043
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of deep eutectic solvents in analytical chemistry. A review. <i>Microchemical Journal</i> , 2017, 135, 33-38.	2.3	442
2	Recent advances in dispersive liquid-liquid microextraction using organic solvents lighter than water. A review. <i>Microchemical Journal</i> , 2012, 102, 11-17.	2.3	252
3	Deep eutectic solvents vs ionic liquids: Similarities and differences. <i>Microchemical Journal</i> , 2020, 159, 105539.	2.3	243
4	Deep eutectic solvents are not only effective extractants. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 129, 115956.	5.8	144
5	Liquid-phase microextraction: A review of reviews. <i>Microchemical Journal</i> , 2019, 149, 103989.	2.3	143
6	The role of water in deep eutectic solvent-base extraction. <i>Journal of Molecular Liquids</i> , 2020, 304, 112747.	2.3	134
7	Application of ultrasonic irradiation and vortex agitation in solvent microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 49, 1-19.	5.8	101
8	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.	2.6	93
9	Automated on-line dispersive liquid-liquid microextraction based on a sequential injection system. <i>Microchemical Journal</i> , 2012, 100, 77-82.	2.3	91
10	Recent achievements in solidified floating organic drop microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 68, 48-77.	5.8	88
11	Methods for the determination of adenosine triphosphate and other adenine nucleotides. <i>Journal of Analytical Chemistry</i> , 2009, 64, 657-673.	0.4	83
12	Recent advances in coupling single-drop and dispersive liquid-liquid microextraction with UV-visible spectrophotometry and related detection techniques. <i>Microchemical Journal</i> , 2012, 102, 1-10.	2.3	81
13	Ten years of dispersive liquid-liquid microextraction and derived techniques. <i>Applied Spectroscopy Reviews</i> , 2017, 52, 267-415.	3.4	78
14	Five Years of Dispersive Liquid-Liquid Microextraction. <i>Applied Spectroscopy Reviews</i> , 2013, 48, 161-259.	3.4	74
15	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.	2.9	71
16	In situ decomposition of deep eutectic solvent as a novel approach in liquid-liquid microextraction. <i>Analytica Chimica Acta</i> , 2019, 1065, 49-55.	2.6	69
17	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.	2.9	67
18	Solvent microextraction: A review of recent efforts at automation. <i>Microchemical Journal</i> , 2013, 110, 599-607.	2.3	64

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19	A novel, environmentally friendly dispersive liquid-liquid microextraction procedure for the determination of copper. <i>Microchemical Journal</i> , 2011, 99, 40-45.	2.3	62
20	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.	1.6	57
21	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.	3.2	52
22	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.	2.3	48
23	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.	1.3	45
24	Application of deep eutectic solvents for separation and determination of bioactive compounds in medicinal plants. <i>Industrial Crops and Products</i> , 2021, 172, 114047.	2.5	44
25	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.	2.9	40
26	Classification and terminology in dispersive liquid-liquid microextraction. <i>Microchemical Journal</i> , 2016, 127, 184-186.	2.3	40
27	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.	1.8	40
28	An automatic, vigorous-injection assisted dispersive liquid-liquid microextraction technique for stopped-flow spectrophotometric detection of boron. <i>Talanta</i> , 2015, 133, 127-133.	2.9	39
29	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.	2.9	38
30	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.	1.2	38
31	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.	2.6	33
32	Green analytical chemistry as an integral part of sustainable education development. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 31, 100508.	3.2	33
33	Separation of chromium (VI) using complexation and its determination with GFAAS. <i>Microchemical Journal</i> , 2006, 82, 61-65.	2.3	30
34	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.	2.9	29
35	Spectrophotometric study of the complexation and extraction of chromium(VI) with cyanine dyes. <i>Talanta</i> , 2000, 53, 543-549.	2.9	28
36	Liquid-phase microextraction: update May 2016 to December 2018. <i>Applied Spectroscopy Reviews</i> , 2020, 55, 307-326.	3.4	28

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37	Application of a bisindocarbocyanine reagent for dispersive liquid-liquid microextraction of silver with subsequent spectrophotometric determination. <i>Microchemical Journal</i> , 2011, 99, 514-522.	2.3	27
38	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.	2.3	27
39	Simultaneous determination of three carbamate pesticides using vortex-assisted liquid-liquid microextraction combined with HPLC-amperometric detection. <i>Microchemical Journal</i> , 2019, 150, 104071.	2.3	26
40	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.	1.3	25
41	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.	1.3	25
42	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.	2.9	24
43	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.	1.7	24
44	Application of DV-SIA manifold for determination of thiocyanate ions in human saliva samples. <i>Talanta</i> , 2012, 96, 107-112.	2.9	23
45	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.	2.9	23
46	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.	2.9	23
47	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.	1.7	23
48	Application of deep eutectic solvents in bioanalysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 154, 116660.	5.8	23
49	A dispersive liquid-liquid microextraction procedure for UV-Vis spectrophotometric determination of chromium(VI) in water samples. <i>Analytical Methods</i> , 2012, 4, 1410.	1.3	22
50	Remarks on use of the term "deep eutectic solvent" in analytical chemistry. <i>Microchemical Journal</i> , 2022, 179, 107498.	2.3	22
51	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.	1.2	22
52	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.	1.9	21
53	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.	2.6	21
54	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.	2.3	21

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55	Recent advances in the application of nanoparticles in cloud point extraction. <i>Journal of Molecular Liquids</i> , 2019, 281, 93-99.	2.3	21
56	An investigation of the reaction of copper ions with dimethylindodicarbocyanine dyeAn application for the determination of Cu(I), Cu(II) and Cu(III). <i>Talanta</i> , 2008, 76, 111-115.	2.9	20
57	A green cloud-point extraction-chromogenic system for vanadium determination. <i>Journal of Molecular Liquids</i> , 2017, 248, 135-142.	2.3	20
58	Vortex-assisted liquid-liquid microextraction procedure for iodine speciation in water samples. <i>Microchemical Journal</i> , 2017, 132, 59-68.	2.3	19
59	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.	2.5	17
60	Interfacial reaction using particle-immobilized reagents in a fluidized reactor. Determination of glycerol in biodiesel. <i>Analytica Chimica Acta</i> , 2016, 914, 75-80.	2.6	17
61	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.	2.9	17
62	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.	1.8	16
63	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.	1.3	16
64	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.	2.3	16
65	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.	1.4	16
66	11-MolybdobismuthophosphateA new reagent for the determination of ascorbic acid in batch and sequential injection systems. <i>Talanta</i> , 2010, 80, 1838-1845.	2.9	15
67	Visual detection and sequential injection determination of aluminium using a cinnamoyl derivative. <i>Talanta</i> , 2015, 133, 27-33.	2.9	15
68	Fluorescent Iminodiacetamide Derivatives as Potential Ionophores for Optical Zinc Ion-selective Sensors. <i>Analytical Sciences</i> , 2008, 24, 727-733.	0.8	14
69	Application of deep eutectic solvents in atomic absorption spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 147, 116510.	5.8	14
70	Application of liquid-phase microextraction to the analysis of plant and herbal samples. <i>Phytochemical Analysis</i> , 2020, 31, 687-699.	1.2	13
71	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.	2.3	13
72	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.	2.5	12

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73	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.	1.8	12
74	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.	0.4	12
75	An environmentally friendly cloud point extraction-spectrophotometric determination of trace vanadium using a novel reagent. <i>Journal of Molecular Liquids</i> , 2021, 334, 116086.	2.3	12
76	The application of ultrasound for the improvement of analytical procedures: Determination of boron. <i>Analytical Methods</i> , 2010, 2, 1275.	1.3	10
77	A Novel Non-Extractive Sequential Injection Procedure for Determination of Cadmium. <i>Analytical Letters</i> , 2011, 44, 431-445.	1.0	10
78	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.	1.8	10
79	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.	1.9	9
80	A non-extractive sequential injection method for determination of molybdenum. <i>Talanta</i> , 2012, 96, 185-189.	2.9	9
81	Dispersive liquid-phase microextraction procedure for spectrometric determination of cadmium. <i>Microchemical Journal</i> , 2013, 107, 3-9.	2.3	9
82	Comparative spectrophotometric study of the complexation and extraction of tellurium with various halide ions and N,N-di(acetoxyethyl)indocarbocyanine. <i>Analytica Chimica Acta</i> , 1999, 386, 161-167.	2.6	8
83	Stepwise injection determination of isoniazid in human urine samples coupled with generalized calibration method. <i>Microchemical Journal</i> , 2015, 123, 111-117.	2.3	8
84	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.	2.3	8
85	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.	1.3	7
86	A novel, environmentally friendly procedure for copper extraction using dimethylindocarbocyanine dye and subsequent graphite furnace atomic absorption spectrometric detection. <i>Analytical Methods</i> , 2011, 3, 2412.	1.3	6
87	Spectrophotometric determination of mercury using vortex-assisted liquid-liquid microextraction. <i>Turkish Journal of Chemistry</i> , 2016, 40, 965-973.	0.5	6
88	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.	0.8	5
89	Sequential injection determination of orthophosphate as ion associate of 12-molybdophosphate with Astra Phloxine. <i>Talanta</i> , 2011, 84, 1355-1360.	2.9	5
90	Investigation of the Reaction of Gold(III) with 2-((4-Dimethylamino(Phenyl)vinyl)-1,3,3-trimethyl-2,3-dihydroindolium. Application for Determination of Gold. <i>Journal of the Chinese Chemical Society</i> , 2009, 56, 1168-1174.	0.6	4

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91	Determination of Cu(III) in semiconductor ceramics using cationic violet reagent. Mikrochimica Acta, 2009, 166, 145-150.	2.5	3
92	Spectrophotometric determination of [2-(2,6-dichloro-phenylamino)-phenyl]-acetic acid in pure form and in pharmaceuticals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 1209-1214.	2.0	3
93	Đ;Đ;ĐμĐ°Ñ,Ñ€Đ¾Ñ,,Đ¾Ñ,Đ¾Đ¼ĐμÑ,Ñ€Đ,Ñ‡Đ½Đμ Đ²Đ,Đ·Đ½Đ°Ñ‡ĐμĐ½Đ½Ñ+Đ°Đ½Đ°Đ»Ñ€Đ³Ñ–Đ½Ñf Đ¾ĐμÑ,Đ¾Đ¾Đ¾Đ¾		
94	Vibrational spectroscopic study of dehydroacetic acid and its cinnamoyl pyrone derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 146, 97-112.	2.0	2
95	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. Journal of Analytical Chemistry, 2011, 66, 800-806.	0.4	1
96	Determination of Thiamine as a Complex with 11-Molybdobismutho(III)phosphate in Sequential Injection Lab-at-valve System. Methods and Objects of Chemical Analysis, 2018, 13, 53-63.	0.4	1
97	A Novel, Donor-Active Solvent-Assisted Liquid-Phase Microextraction Procedure for Spectrometric Determination of Zinc. Journal of the Brazilian Chemical Society, 2013, , .	0.6	0
98	ĐžĐ Đ½Đ¾Ñ‡Đ°ÑĐ½Đμ Đ²Đ,Đ·Đ½Đ°Ñ‡ĐμĐ½Đ½Ñ+Đ²Đ¾Ñ... Đ°Đ°Ñ,Đ,Đ²Đ½Đ,Ñ... Đ°Đ¾Đ¼Đ¼Đ;Đ¾Đ½ĐμĐ¾¼Ñ,Ñ–Đ¾Ñ,,Đ°Ñ€Đ		