Vasil Andruch

List of Publications by Year
in descending order

98 papers	3,918 citations	147566 31 h-index	133063 59 g-index
98 all docs	98 docs citations	98 times ranked	3043 citing authors

#	Article	IF	Citations
1	Application of deep eutectic solvents in atomic absorption spectrometry. TrAC - Trends in Analytical Chemistry, 2022, 147, 116510.	5.8	14
2	Remarks on use of the term â€œdeep eutectic solventâ€•in analytical chemistry. Microchemical Journal, 2022, 179, 107498.	2.3	22
3	Application of deep eutectic solvents in bioanalysis. TrAC - Trends in Analytical Chemistry, 2022, 154, 116660.	5.8	23
4	Deep Eutectic Solvents or Eutectic Mixtures? Characterization of Tetrabutylammonium Bromide and Nonanoic Acid Mixtures. Journal of Physical Chemistry B, 2022, 126, 3889-3896.	1.2	22
5	Green analytical chemistry as an integral part of sustainable education development. Current Opinion in Green and Sustainable Chemistry, 2021, 31, 100508.	3.2	33
6	Investigation of tetrabutylammonium bromide-glycerol-based deep eutectic solvents and their mixtures with water by spectroscopic techniques. Journal of Molecular Liquids, 2021, 330, 115617.	2.3	27
7	An environmentally friendly cloud point extractionâ€“spectrophotometric determination of trace vanadium using a novel reagent. Journal of Molecular Liquids, 2021, 334, 116086.	2.3	12
8	Closer look into the structures of tetrabutylammonium bromideâ€“glycerol-based deep eutectic solvents and their mixtures with water. Journal of Molecular Liquids, 2021, 338, 116676.	2.3	13
9	Application of deep eutectic solvents for separation and determination of bioactive compounds in medicinal plants. Industrial Crops and Products, 2021, 172, 114047.	2.5	44
10	Liquid-phase microextraction: update May 2016 to December 2018. Applied Spectroscopy Reviews, 2020, 55, 307-326.	3.4	28
11	Deep eutectic solvents vs ionic liquids: Similarities and differences. Microchemical Journal, 2020, 159, 105539.	2.3	243
12	Deep eutectic solvents are not only effective extractants. TrAC - Trends in Analytical Chemistry, 2020, 129, 115956.	5.8	144
13	The role of water in deep eutectic solvent-base extraction. Journal of Molecular Liquids, 2020, 304, 112747.	2.3	134
14	Application of liquidâ€phase microextraction to the analysis of plant and herbal samples. Phytochemical Analysis, 2020, 31, 687-699.	1.2	13
15	Simultaneous determination of three carbamate pesticides using vortex-assisted liquidâ€“liquid microextraction combined with HPLC-amperometric detection. Microchemical Journal, 2019, 150, 104071.	2.3	26
16	Liquidâ€“phase microextraction: A review of reviews. Microchemical Journal, 2019, 149, 103989.	2.3	143
17	In situ decomposition of deep eutectic solvent as a novel approach in liquid-liquid microextraction. Analytica Chimica Acta, 2019, 1065, 49-55.	2.6	69
18	Liquid Phase and Microwave-Assisted Extractions for Multicomponent Phenolic Pattern Determination of Five Romanian Galium Species Coupled with Bioassays. Molecules, 2019, 24, 1226.	1.7	24

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19	Recent advances in the application of nanoparticles in cloud point extraction. Journal of Molecular Liquids, 2019, 281, 93-99.	2.3	21
20	Development of novel techniques to extract phenolic compounds from Romanian cultivars of Prunus domestica L. and their biological properties. Food and Chemical Toxicology, 2018, 119, 189-198.	1.8	40
21	Use of Innovative (Micro)Extraction Techniques to Characterise <scp><i>Harpagophytum procumbens</i></scp> Root and its Commercial Food Supplements. Phytochemical Analysis, 2018, 29, 233-241.	1.2	38
22	Simultaneous determination of rutin and ascorbic acid in a sequential injection lab-at-valve system. Journal of Pharmaceutical and Biomedical Analysis, 2018, 149, 179-184.	1.4	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. Talanta, 2018, 188, 99-106.	2.9	17
24	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
25	Vortex-assisted liquid-liquid microextraction procedure for iodine speciation in water samples. Microchemical Journal, 2017, 132, 59-68.	2.3	19
26	Automated sugaring-out liquid-liquid extraction based on flow system coupled with HPLC-UV for the determination of procainamide in urine. Talanta, 2017, 167, 709-713.	2.9	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. Journal of Molecular Liquids, 2017, 237, 236-241.	2.3	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. RSC Advances, 2017, 7, 29421-29427.	1.7	23
29	Automated solid sample dissolution coupled with sugaring-out homogenous liquid-liquid extraction. Application for the analysis of throat lozenge samples. Journal of Molecular Liquids, 2017, 233, 149-155.	2.3	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. Talanta, 2017, 169, 156-162.	2.9	29
31	Flow method based on liquid-liquid extraction using deep eutectic solvent for the spectrofluorimetric determination of procainamide in human saliva. Talanta, 2017, 168, 307-312.	2.9	38
32	A green cloud-point extraction-chromogenic system for vanadium determination. Journal of Molecular Liquids, 2017, 248, 135-142.	2.3	20
33	Application of deep eutectic solvents in analytical chemistry. A review. Microchemical Journal, 2017, 135, 33-38.	2.3	442
34	Ten years of dispersive liquidâ€"liquid microextraction and derived techniques. Applied Spectroscopy Reviews, 2017, 52, 267-415.	3.4	78
35	Spectrophotometric determination of mercury using vortex-assisted liquid--liquid microextraction. Turkish Journal of Chemistry, 2016, 40, 965-973.	0.5	6
36	Classification and terminology in dispersive liquidâ€"liquid microextraction. Microchemical Journal, 2016, 127, 184-186.	2.3	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. Analytical Chemistry, 2016, 88, 10296-10300.	3.2	52
38	A fully automated effervescence assisted dispersive liquidâ€“liquid microextraction based on a stepwise injection system. Determination of antipyrine in saliva samples. Analytica Chimica Acta, 2016, 902, 129-134.	2.6	33
39	A novel vortex-assisted liquidâ€“liquid microextraction approach using auxiliary solvent: Determination of iodide in mineral water samples. Talanta, 2016, 149, 110-116.	2.9	23
40	Interfacial reaction using particle-immobilized reagents in a fluidized reactor. Determination of glycerol in biodiesel. Analytica Chimica Acta, 2016, 914, 75-80.	2.6	17
41	A fully automated effervescence-assisted switchable solvent-based liquid phase microextraction procedure: Liquid chromatographic determination of ofloxacin in human urine samples. Analytica Chimica Acta, 2016, 907, 54-59.	2.6	93
42	Stepwise injection determination of isoniazid in human urine samples coupled with generalized calibration method. Microchemical Journal, 2015, 123, 111-117.	2.3	8
43	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
44	Recent achievements in solidified floating organic drop microextraction. TrAC - Trends in Analytical Chemistry, 2015, 68, 48-77.	5.8	88
45	Application of cinnamoyl derivative as a new ligand for dispersive liquid-liquid microextraction and spectrophotometric determination of cobalt. Journal of Analytical Chemistry, 2015, 70, 298-304.	0.4	12
46	Liquidâ€“liquid microextraction and spectrophotometric determination of anionic surfactants using Astra Phloxine FF. International Journal of Environmental Analytical Chemistry, 2015, 95, 217-224.	1.8	10
47	Application of solidification of floating organic drop microextraction for inorganic anions: Determination of phosphate in water samples. Microchemical Journal, 2015, 122, 10-15.	2.3	16
48	Visual detection and sequential injection determination of aluminium using a cinnamoyl derivative. Talanta, 2015, 133, 27-33.	2.9	15
49	An automatic, vigorous-injection assisted dispersive liquidâ€“liquid microextraction technique for stopped-flow spectrophotometric detection of boron. Talanta, 2015, 133, 127-133.	2.9	39
50	Fully automated on-line flow-batch based ultrasound-assisted surfactant-mediated extraction and determination of anthraquinones in medicinal plants. Microchemical Journal, 2014, 116, 98-106.	2.3	21
51	ĐžĐ´Đ½Đ¾Ñ‡Đ°ÑĐ½Đµ Đ²Đ¸Đ·Đ½Đ°Ñ‡ĐµĐ½Đ½Ñ•Đ´Đ²Đ¾Ñ… Đ°ĐºÑ‚Đ¸Đ²Đ½Đ¸Ñ… ĐºĐ¾Đ¼Đ¿Đ¾Đ½ĐµĐ½Ñ‚Ñ–Đ²Ñ„Đ°Ñ€Đ	0.1	2
52	A single-valve sequential injection manifold (SV-SIA) for automation of air-assisted liquid-phase microextraction: stopped flow spectrophotometric determination of chromium(vi). Analytical Methods, 2013, 5, 2497.	1.3	45
53	Solvent microextraction: A review of recent efforts at automation. Microchemical Journal, 2013, 110, 599-607.	2.3	64
54	Five Years of Dispersive Liquidâ€“Liquid Microextraction. Applied Spectroscopy Reviews, 2013, 48, 161-259.	3.4	74

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55	A comparison of various modes of liquidâ€“liquid based microextraction techniques: Determination of picric acid. Journal of Separation Science, 2013, 36, 932-938.	1.3	16
56	Application of ultrasonic irradiation and vortex agitation in solvent microextraction. TrAC - Trends in Analytical Chemistry, 2013, 49, 1-19.	5.8	101
57	The present state of coupling of dispersive liquidâ€“liquid microextraction with atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2013, 28, 19-32.	1.6	57
58	Dispersive liquid-phase microextraction procedure for spectrometric determination of cadmium. Microchemical Journal, 2013, 107, 3-9.	2.3	9
59	A glance at achievements in the coupling of headspace and direct immersion singleâ€drop microextraction with chromatographic techniques. Journal of Separation Science, 2013, 36, 3758-3768.	1.3	25
60	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
61	Ð¡Ð¿ÐµÐºÑ,Ñ€Ð¾Ñ„Ð¾Ñ,Ð¾Ð¼ÐµÑ,Ñ€Ð¸Ñ‡Ð½Ðµ Ð²Ð¸Ð·Ð½Ð°Ñ‡ÐµÐ½Ð½Ñ•Ð°Ð½Ð°Ð»ÑŒÐ³Ñ–Ð½Ñƒ Ð¼ÐµÑ,Ð¾Ð´Ð¾Ð¼	0.1	3
62	A dispersive liquidâ€“liquid microextraction procedure for UV-Vis spectrophotometric determination of chromium(vi) in water samples. Analytical Methods, 2012, 4, 1410.	1.3	22
63	Using dimethyl indocarbocyanide (DIC) as ion-pair agent for chromium speciation and its application in GFAAS analysis of water. Analytical Methods, 2012, 4, 2361.	1.3	7
64	Application of DV-SIA manifold for determination of thiocyanate ions in human saliva samples. Talanta, 2012, 96, 107-112.	2.9	23
65	A non-extractive sequential injection method for determination of molybdenum. Talanta, 2012, 96, 185-189.	2.9	9
66	Highly sensitive sequential injection determination of p-aminophenol in paracetamol formulations with 18-molybdodiphosphate heteropoly anion based on elimination of Schlieren effect. Talanta, 2012, 96, 230-235.	2.9	23
67	Automatic determination of copper by in-syringe dispersive liquidâ€“liquid microextraction of its bathocuproine-complex using long path-length spectrophotometric detection. Talanta, 2012, 99, 349-356.	2.9	67
68	A spectrophotometric method for manganese determination in water samples based on ion pair formation and dispersive liquidâ€“liquid microextraction. International Journal of Environmental Analytical Chemistry, 2012, 92, 1059-1071.	1.8	12
69	Automated on-line dispersive liquidâ€“liquid microextraction based on a sequential injection system. Microchemical Journal, 2012, 100, 77-82.	2.3	91
70	Recent advances in coupling single-drop and dispersive liquidâ€“liquid microextraction with UVâ€“vis spectrophotometry and related detection techniques. Microchemical Journal, 2012, 102, 1-10.	2.3	81
71	Recent advances in dispersive liquidâ€“liquid microextraction using organic solvents lighter than water. A review. Microchemical Journal, 2012, 102, 11-17.	2.3	252
72	A novel, environmentally friendly procedure for copper extraction using dimethylindodicarbocyanine dye and subsequent graphite furnace atomic absorption spectrometric detection. Analytical Methods, 2011, 3, 2412.	1.3	6

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73	Sequential injection determination of orthophosphate as ion associate of 12-molybdophosphate with Astra Phloxine. Talanta, 2011, 84, 1355-1360.	2.9	5
74	A dispersive liquidâ€“liquid microextraction procedure for determination of boron in water after ultrasound-assisted conversion to tetrafluoroborate. Talanta, 2011, 85, 541-545.	2.9	40
75	Application of a bisindocarbocyanine reagent for dispersive liquidâ€“liquid microextraction of silver with subsequent spectrophotometric determination. Microchemical Journal, 2011, 99, 514-522.	2.3	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. Journal of Analytical Chemistry, 2011, 66, 800-806.	0.4	1
77	A novel, environmentally friendly dispersive liquidâ€“liquid microextraction procedure for the determination of copper. Microchemical Journal, 2011, 99, 40-45.	2.3	62
78	A Novel Non-Extractive Sequential Injection Procedure for Determination of Cadmium. Analytical Letters, 2011, 44, 431-445.	1.0	10
79	A novel dual-valve sequential injection manifold (DV-SIA) for automated liquidâ€“liquid extraction. Application for the determination of picric acid. Analytica Chimica Acta, 2010, 666, 55-61.	2.6	21
80	An air-assisted liquidâ€“liquid extraction using a dual-valve sequential injection manifold (DV-SIA): Determination of copper. Analytical Methods, 2010, 2, 1134.	1.3	25
81	11-Molybdobismuthophosphateâ€”A new reagent for the determination of ascorbic acid in batch and sequential injection systems. Talanta, 2010, 80, 1838-1845.	2.9	15
82	A novel approach in dispersive liquidâ€“liquid microextraction based on the use of an auxiliary solvent for adjustment of density. Talanta, 2010, 82, 1958-1964.	2.9	71
83	The application of ultrasound for the improvement of analytical procedures: Determination of boron. Analytical Methods, 2010, 2, 1275.	1.3	10
84	Determination of Cu(III) in semiconductor ceramics using cationic violet reagent. Mikrochimica Acta, 2009, 166, 145-150.	2.5	3
85	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
86	A simple method of boron determination in mineral waters using Victoria blue 4R. International Journal of Environmental Analytical Chemistry, 2009, 89, 449-459.	1.8	16
87	Methods for the determination of adenosine triphosphate and other adenine nucleotides. Journal of Analytical Chemistry, 2009, 64, 657-673.	0.4	83
88	Investigation of the Reaction of Gold(III) with 2â€[2â€(4â€Dimethylaminoâ€Phenyl)â€Vinyl]â€1,3,3â€Trimethylâ€3Hâ€Indolium. Application for Determination of Gold. Journal of the Chinese Chemical Society, 2009, 56, 1168-1174.	0.8	4
89	An investigation of the reaction of copper ions with dimethylindodicarbocyanine dyeAn application for the determination of Cu(I), Cu(II) and Cu(III). Talanta, 2008, 76, 111-115.	2.9	20
90	Fluorescent Iminodiacetamide Derivatives as Potential Ionophores for Optical Zinc Ion-selective Sensors. Analytical Sciences, 2008, 24, 727-733.	0.8	14

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91	Rapid, sensitive and selective spectrophotometric determination of phosphate as an ion associate of 12-molybdophosphate with Astra Phloxine. Mikrochimica Acta, 2007, 159, 371-378.	2.5	12
92	Separation of chromium (VI) using complexation and its determination with GFAAS. Microchemical Journal, 2006, 82, 61-65.	2.3	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. Analytical and Bioanalytical Chemistry, 2005, 382, 1431-1437.	1.9	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. Analytical and Bioanalytical Chemistry, 2003, 377, 709-714.	1.9	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). Mikrochimica Acta, 2003, 142, 109-113.	2.5	17
96	2-(4-Dimethylaminostyryl)-1,3,3-trimethyl-2,3-dihydroindole as a New Reagent for the Extractive Spectrophotometric Determination of Selenium.. Analytical Sciences, 2000, 16, 973-974.	0.8	5
97	Spectrophotometric study of the complexation and extraction of chromium(VI) with cyanine dyes. Talanta, 2000, 53, 543-549.	2.9	28
98	Comparative spectrophotometric study of the complexation and extraction of tellurium with various halide ions and N,Nâ€²-di(acetoxyethyl)indocarbocyanine. Analytica Chimica Acta, 1999, 386, 161-167.	2.6	8