

Hana Sklenrov

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67
papers

1,050
citations

20
h-index

28
g-index

70
ext. papers

1,141
ext. citations

4.9
avg, IF

4.15
L-index

#	Paper	IF	Citations
67	Automated on-line dispersive liquid-liquid microextraction based on a sequential injection system. <i>Microchemical Journal</i> , 2012 , 100, 77-82	4.8	85
66	Sequential injection chromatographic determination of paracetamol, caffeine, and acetylsalicylic acid in pharmaceutical tablets. <i>Journal of Separation Science</i> , 2004 , 27, 529-36	3.4	68
65	Examination of the functional activity of P-glycoprotein in the rat placental barrier using rhodamine 123. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003 , 305, 1239-50	4.7	51
64	Development and validation of a rapid HPLC method for the determination of ascorbic acid, phenylephrine, paracetamol and caffeine using a monolithic column. <i>Analytical Methods</i> , 2012 , 4, 1588	3.2	43
63	Sequential injection chromatographic determination of ambroxol hydrochloride and doxycycline in pharmaceutical preparations. <i>Talanta</i> , 2005 , 68, 214-8	6.2	41
62	Automation of simultaneous release tests of two substances by sequential injection chromatography coupled with Franz cell. <i>Talanta</i> , 2006 , 69, 730-5	6.2	41
61	Automated in-syringe single-drop head-space micro-extraction applied to the determination of ethanol in wine samples. <i>Analytica Chimica Acta</i> , 2014 , 828, 53-60	6.6	37
60	Direct-immersion single-drop microextraction and in-drop stirring microextraction for the determination of nanomolar concentrations of lead using automated Lab-In-Syringe technique. <i>Talanta</i> , 2018 , 184, 162-172	6.2	29
59	A novel approach to Lab-In-Syringe Head-Space Single-Drop Microextraction and on-drop sensing of ammonia. <i>Analytica Chimica Acta</i> , 2016 , 934, 132-44	6.6	29
58	Enhanced capabilities of separation in Sequential Injection Chromatography--fused-core particle column and its comparison with narrow-bore monolithic column. <i>Talanta</i> , 2011 , 85, 1129-34	6.2	28
57	Fully Automatic In-Syringe Magnetic Stirring-Assisted Dispersive Liquid-Liquid Microextraction Hyphenated to High-Temperature Torch Integrated Sample Introduction System-Inductively Coupled Plasma Spectrometer with Direct Injection of the Organic Phase. <i>Analytical Chemistry</i> , 2017 , 89, 3767-3774	7.8	27
56	Retention and selectivity of basic drugs on solid-phase extraction sorbents: application to direct determination of β -blockers in urine. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 4207-15	4.4	27
55	Automated simultaneous monitoring of nitrate and nitrite in surface water by sequential injection analysis. <i>Water Research</i> , 2002 , 36, 2777-83	12.5	26
54	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	3.2	25
53	Development and validation of HPLC method for determination of clotrimazole and its two degradation products in spray formulation. <i>Talanta</i> , 2007 , 73, 483-9	6.2	22
52	A flow-based platform hyphenated to on-line liquid chromatography for automatic leaching tests of chemical additives from microplastics into seawater. <i>Journal of Chromatography A</i> , 2019 , 1602, 160-167	4.5	21
51	Application of DV-SIA manifold for determination of thiocyanate ions in human saliva samples. <i>Talanta</i> , 2012 , 96, 107-12	6.2	21

50	Determination of salbutamol using on-line solid-phase extraction and sequential injection analysis. Comparison of chemiluminescence and fluorescence detection. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 376, 448-54	4.4	21
49	Online coupling of fully automatic in-syringe dispersive liquid-liquid microextraction with oxidative back-extraction to inductively coupled plasma spectrometry for sample clean-up in elemental analysis: A proof of concept. <i>Talanta</i> , 2017 , 173, 79-87	6.2	20
48	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	6.6	20
47	Simple automated generation of gradient elution conditions in sequential injection chromatography using monolithic column. <i>Talanta</i> , 2011 , 84, 1273-7	6.2	19
46	Two-column sequential injection chromatography--new approach for fast and effective analysis and its comparison with gradient elution chromatography. <i>Analytica Chimica Acta</i> , 2010 , 668, 61-6	6.6	19
45	Fully automated drug liberation apparatus for semisolid preparations based on sequential injection analysis. <i>Analytica Chimica Acta</i> , 2003 , 499, 9-16	6.6	19
44	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, 230-5	6.2	17
43	On-line coupling of Micro-Extraction by Packed Sorbent with Sequential Injection Chromatography system for direct extraction and determination of betaxolol in human urine. <i>Talanta</i> , 2015 , 143, 132-137	6.2	16
42	High-resolution monolithic columns--a new tool for effective and quick separation. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 2255-63	4.4	14
41	Sequential injection system for simultaneous determination of chloride and iodide by a Gran plot method. <i>Analytica Chimica Acta</i> , 2004 , 505, 161-166	6.6	14
40	On-line coupling of sequential injection extraction with restricted-access materials for sample clean-up and analysis of drugs in biological matrix. <i>Analyst, The</i> , 2003 , 128, 351-6	5	14
39	Automated system for release studies of salicylic acid based on a SIA method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005 , 37, 893-8	3.5	14
38	On-line automated evaluation of lipid nanoparticles transdermal permeation using Franz diffusion cell and low-pressure chromatography. <i>Talanta</i> , 2016 , 146, 369-74	6.2	13
37	Determination of Ascorbic Acid with Wells-Dawson Type Molybdophosphate in Sequential Injection System. <i>Analytical Letters</i> , 2011 , 44, 514-527	2.2	13
36	Lab-In-Syringe for automated double-stage sample preparation by coupling salting out liquid-liquid extraction with online solid-phase extraction and liquid chromatographic separation for sulfonamide antibiotics from urine. <i>Talanta</i> , 2021 , 221, 121427	6.2	13
35	Fully automated analytical procedure for propofol determination by sequential injection technique with spectrophotometric and fluorimetric detections. <i>Talanta</i> , 2014 , 118, 104-10	6.2	12
34	Sequential injection chromatography with post-column reaction/derivatization for the determination of transition metal cations in natural water samples. <i>Talanta</i> , 2015 , 136, 75-83	6.2	12
33	Application of a fully integrated photodegradation-detection flow-batch analysis system with an on-line preconcentration step for the determination of metsulfuron methyl in water samples. <i>Talanta</i> , 2014 , 129, 233-40	6.2	10

32	11-Molybdo-bismuthophosphate--a new reagent for the determination of ascorbic acid in batch and sequential injection systems. <i>Talanta</i> , 2010 , 80, 1838-45	6.2	10
31	The application of ultrasound for the improvement of analytical procedures: Determination of boron. <i>Analytical Methods</i> , 2010 , 2, 1275	3.2	10
30	Application of monolithic columns in pharmaceutical analysis. Determination of indomethacin and its degradation products. <i>Journal of Separation Science</i> , 2009 , 32, 2786-92	3.4	10
29	A non-extractive sequential injection method for determination of molybdenum. <i>Talanta</i> , 2012 , 96, 185-8.2	0.2	9
28	A Novel Non-Extractive Sequential Injection Procedure for Determination of Cadmium. <i>Analytical Letters</i> , 2011 , 44, 431-445	2.2	9
27	Automated continuous-flow in-syringe dispersive liquid-liquid microextraction of mono-nitrophenols from large sample volumes using a novel approach to multivariate spectral analysis. <i>Talanta</i> , 2019 , 202, 11-20	6.2	8
26	Quantum dots as chemiluminescence enhancers tested by sequential injection technique: Comparison of flow and flow-batch conditions. <i>Journal of Luminescence</i> , 2017 , 184, 235-241	3.8	7
25	Content of major phenolic compounds in apples: Benefits of ultra-low oxygen conditions in long-term storage. <i>Journal of Food Composition and Analysis</i> , 2020 , 92, 103587	4.1	7
24	An integrated on-line method for the preconcentration and simultaneous determination of metsulfuron methyl and chlorsulfuron using oxidized carbon nanotubes and second order fluorescent data. <i>Microchemical Journal</i> , 2016 , 129, 90-97	4.8	7
23	Renewable sorbent material for solid phase extraction with direct coupling of sequential injection analysis-bead injection to liquid chromatography-electrospray ionization tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 5719-28	4.4	7
22	Fully automated method based on on-line molecularly imprinted polymer solid-phase extraction for determination of lovastatin in dietary supplements containing red yeast rice. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 1219-1228	4.4	6
21	Automated sequential injection fluorimetric set-up for multiple release testing of topical formulation. <i>Analytica Chimica Acta</i> , 2006 , 573-574, 366-70	6.6	6
20	Determination of bopindolol using the flow injection technique coupled with solid phase extraction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003 , 33, 1149-53	3.5	6
19	Automatic screening of antioxidants based on the evaluation of kinetics of suppression of chemiluminescence in a luminol/hydrogen peroxide system using a sequential injection analysis setup with a flow-batch detection cell. <i>Analytical Methods</i> , 2019 , 11, 2531-2536	3.2	5
18	A study of the effect of organic solvents on the fluorescence signal in a sequential injection analysis system. <i>Analytical Methods</i> , 2014 , 6, 9392-9396	3.2	5
17	Separation of Vitamins Retinol Acetate, Ergocalciferol, or Cholecalciferol and Tocopherol Acetate Using Sequential Injection Chromatography. <i>Analytical Letters</i> , 2011 , 44, 446-456	2.2	5
16	Determination of rhodamine 123 by sequential injection technique for pharmacokinetic studies in the rat placenta. <i>Talanta</i> , 2002 , 58, 1145-1149	6.2	5
15	Flow-batch analysis of clenbuterol based on analyte extraction on molecularly imprinted polymers coupled to an in-system chromogenic reaction. Application to human urine and milk substitute samples. <i>Talanta</i> , 2018 , 178, 934-942	6.2	4

14	Fully automatic flow-based device for monitoring of drug permeation across a cell monolayer. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 971-81	4.4	4
13	Determination of major phenolic compounds in apples: Part I-Optimization of high-performance liquid chromatography separation with diode array detection. <i>Journal of Separation Science</i> , 2018 , 41, 3042-3050	3.4	4
12	An automated method for monitoring aluminum in water samples based on a sequential injection platform. <i>Analytical Methods</i> , 2015 , 7, 5530-5537	3.2	3
11	Sequential injection determination of orthophosphate as ion associate of 12-molybdophosphate with Astra Phloxine. <i>Talanta</i> , 2011 , 84, 1355-60	6.2	3
10	Automated Sequential Injection Method for Determination of Caffeine in Coffee Drinks. <i>Food Analytical Methods</i> , 2018 , 11, 111-118	3.4	2
9	SIMPLE LABORATORY-MADE AUTOMATED SEQUENTIAL INJECTION ANALYSIS (SIA) DEVICE. II. SIA OPERATIONAL SOFTWARE BASED ON LABVIEW™ PROGRAMMING LANGUAGE. <i>Instrumentation Science and Technology</i> , 2002 , 30, 353-360	1.4	2
8	Universal efavirenz determination in transport study, rat placenta perfusion and placenta lysate by HPLC-UV. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 137, 70-77	3.5	1
7	Chromatographic determination of active compounds in topical formulations. <i>Analytical Methods</i> , 2012 , 4, 1525	3.2	1
6	SIMPLE LABORATORY-MADE AUTOMATED SEQUENTIAL INJECTION ANALYSIS (SIA) DEVICE. I. DESIGN AND TESTING OF THE HARDWARE COMPONENT. <i>Instrumentation Science and Technology</i> , 2002 , 30, 13-20	1.4	1
5	3D printed permeation module to monitor interaction of cell membrane transporters with exogenic compounds in real-time. <i>Analytica Chimica Acta</i> , 2021 , 1153, 338296	6.6	1
4	A simple method to quantify azo dyes in spices based on flow injection chromatography combined with chemometric tools. <i>Journal of Food Science and Technology</i> , 1	3.3	0
3	Real-time monitoring of Metridia luciferase release from cells upon interaction with model toxic substances by a fully automatic flow setup - A proof of concept.. <i>Talanta</i> , 2022 , 245, 123465	6.2	0
2	Effect of storage conditions on content of pesticide residues in sweet cherries.. <i>Food Chemistry: X</i> , 2022 , 13, 100185	4.7	
1	UHPLC coupled with charged aerosol detector for rapid separation of steviol glycosides in commercial sweeteners and extract of <i>Stevia rebaudiana</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022 , 207, 114398	3.5	