

Serban C Moldoveanu

List of Publications by Year in descending order

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114
papers

848
citations

759233

12
h-index

580821

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114
all docs

114
docs citations

114
times ranked

1074
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas chromatography/mass spectrometry versus liquid chromatography/fluorescence detection in the analysis of phenols in mainstream cigarette smoke. <i>Journal of Chromatography A</i> , 2007, 1141, 90-97.	3.7	236
2	Gas chromatography–mass spectrometry of carbonyl compounds in cigarette mainstream smoke after derivatization with 2,4-dinitrophenylhydrazine. <i>Journal of Chromatography A</i> , 2004, 1027, 25-35.	3.7	117
3	Estimation of the phase ratio in reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2015, 1381, 194-201.	3.7	34
4	Derivatization Methods in GC and GC/MS. , 0, , .		34
5	Derivatization procedures and their analytical performances for HPLC determination in bioanalysis. <i>Biomedical Chromatography</i> , 2021, 35, e5008.	1.7	24
6	Evaluation of the phase ratio for three C18 high performance liquid chromatographic columns. <i>Journal of Chromatography A</i> , 2016, 1435, 85-91.	3.7	21
7	Sources of Nonlinear vanâ€™t Hoff Temperature Dependence in High-Performance Liquid Chromatography. <i>ACS Omega</i> , 2019, 4, 19808-19817.	3.5	21
8	Dual Analysis of Triglycerides from Certain Common Lipids and Seed Extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 2137-2147.	5.2	19
9	Analysis of small carbohydrates in several bioactive botanicals by gas chromatography with mass spectrometry and liquid chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2015, 38, 3677-3686.	2.5	18
10	Free amino acids analysis by liquid chromatography with tandem mass spectrometry in several botanicals with antioxidant character. <i>Journal of Separation Science</i> , 2015, 38, 2208-2222.	2.5	18
11	Dependence of the distribution constant in liquid-liquid partition equilibria on the van der Waals molecular surface area. <i>Journal of Separation Science</i> , 2013, 36, 2963-2978.	2.5	17
12	Analysis of four pentacyclic triterpenoid acids in several bioactive botanicals with gas and liquid chromatography and mass spectrometry detection. <i>Journal of Separation Science</i> , 2016, 39, 324-332.	2.5	16
13	Particle Size Distribution of E-Cigarette Aerosols and the Relationship to Cambridge Filter Pad Collection Efficiency. <i>Beitrage Zur Tabakforschung International/ Contributions To Tobacco Research</i> , 2015, 26, .	0.3	15
14	The Role of Sample Preparation. , 2015, , 33-49.		15
15	Antioxidant Character and Levels of Polyphenols in Several Tea Samples. <i>ACS Omega</i> , 2021, 6, 9982-9988.	3.5	14
16	Mobile Phases and Their Properties. , 2013, , 363-447.		13
17	Pyrolysis of Hydrocarbons. , 2019, , 35-161.		13
18	Critical evaluation of several techniques for the analysis of phthalates and terephthalates: Application to liquids used in electronic cigarettes. <i>Journal of Chromatography A</i> , 2018, 1540, 77-86.	3.7	12

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19	Properties of Analytes and Matrices Determining HPLC Selection. , 2017, , 189-230.		10
20	RP-HPLC Analytical Columns. , 2017, , 279-328.		10
21	Solvent Extraction. , 2015, , 131-189.		8
22	Nicotine Analysis in Several Non-Tobacco Plant Materials. Beitrage Zur Tabakforschung International/ Contributions To Tobacco Research, 2016, 27, 54-59.	0.3	8
23	Does phase ratio in reversed phase high performance liquid chromatography vary with temperature?. Journal of Chromatography A, 2020, 1620, 461023.	3.7	8
24	Comments on Sample Preparation in Chromatography for Different Types of Materials. , 2015, , 411-446.		7
25	Analysis of Traces of Tobacco-Specific Nitrosamines (TSNAs) in USP Grade Nicotine, E-Liquids, and Particulate Phase Generated by the Electronic Smoking Devices. Beitrage Zur Tabakforschung International/ Contributions To Tobacco Research, 2017, 27, 86-96.	0.3	7
26	Pyrolysis of Ethers. , 2019, , 279-310.		7
27	General information about pyrolysis. , 2021, , 3-27.		7
28	An LC-MS Method for the Analysis of Some Organic Acids in Tobacco Leaf, Snus, and Wet Snuff. Beitrage Zur Tabakforschung International/ Contributions To Tobacco Research, 2018, 28, 30-41.	0.3	7
29	Pyrolysis of Other Nitrogen-Containing Compounds. , 2019, , 349-390.		6
30	General Information About Pyrolysis. , 2019, , 1-33.		5
31	Diacetyl and Other Ketones in e-Cigarette Aerosols: Some Important Sources and Contributing Factors. Frontiers in Chemistry, 2021, 9, 742538.	3.6	5
32	Short Overviews of Analytical Techniques Not Containing an Independent Separation Step. , 2017, , 31-53.		4
33	Stationary Phases and Columns for Chiral Chromatography. , 2017, , 363-376.		4
34	Solvents, Buffers, and Additives Used in the Mobile Phase. , 2017, , 393-450.		4
35	Phase Ratio and Equilibrium Constant in RP-HPLC Obtained from Octanol/Water Partition Constant Through Solvophobic Theory. Chromatographia, 2017, 80, 1491-1500.	1.3	4
36	Pyrolysis of Derivatives of Carbonic Acid With Nitrogenous Functionalities. , 2019, , 697-714.		4

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37	Pyrolysis of Carboxylic Acids. , 2019, , 483-553.		4
38	Phase transfer in sample preparation. , 2021, , 151-190.		4
39	Interconversion of nicotine enantiomers during heating and implications for smoke from combustible cigarettes, heated tobacco products, and electronic cigarettes. Chirality, 2022, 34, 667-677.	2.6	4
40	Short Overviews of the Main Analytical Techniques Containing a Separation Step. , 2017, , 55-85.		3
41	The Determination of Diacetyl and Acetylpropionyl in Aerosols From Electronic Smoking Devices Using Gas Chromatography Triple Quad Mass Spectrometry. Beitrage Zur Tabakforschung International/ Contributions To Tobacco Research, 2017, 27, 145-153.	0.3	3
42	Results from solvophobic theory applied to methylene selectivity in reversed-phase HPLC. Journal of Liquid Chromatography and Related Technologies, 2018, 41, 24-32.	1.0	3
43	Pyrolysis of Carbohydrates. , 2019, , 419-482.		3
44	Pyrolysis of Alcohols and Phenols. , 2019, , 207-278.		3
45	Variation with temperature of octanol/water partition coefficient for the homologous series from benzene to propylbenzene. Separation Science Plus, 2019, 2, 457-464.	0.6	3
46	Pyrolysis of Aromatic Heterocyclic Compounds. , 2019, , 715-762.		3
47	Analytical pyrolysis of caramel colours and of Maillard browning polymers. , 2021, , 315-333.		3
48	Variation with Temperature of Phase Ratio in Reversed Phase HPLC for a Methanol/Water Mobile Phase. Chromatographia, 2021, 84, 581-587.	1.3	3
49	Long-Range Molecular Interactions Involved in the Retention Mechanisms of Liquid Chromatography. , 2017, , 73-110.		3
50	The Utilization of Gas Chromatography/Mass Spectrometry in the Profiling of Several Antioxidants in Botanicals. , 0, , .		2
51	Phase Transfer in Sample Preparation. , 2015, , 105-130.		2
52	The Role of Derivatization in Chromatography. , 2015, , 307-331.		2
53	Solid-Phase Extraction. , 2015, , 191-286.		2
54	Stationary Phases and Columns for Immunoaffinity Type Separations. , 2017, , 387-392.		2

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55	Pyrolysis of Thiols and Sulfides. , 2019, , 321-325.		2
56	The role of sample preparation. , 2021, , 51-77.		2
57	Solid-phase extraction. , 2021, , 281-421.		2
58	Variations of TSNA Levels in Tobaccos Upon Heating at Moderate Temperatures. Beitrage Zur Tabakforschung International/ Contributions To Tobacco Research, 2020, 29, 84-96.	0.3	2
59	Evaluation of the Content of Free Amino Acids in Tobacco by a New Liquid Chromatography-Tandem Mass Spectrometry Technique. Beitrage Zur Tabakforschung International/ Contributions To Tobacco Research, 2015, 26, .	0.3	1
60	The Activity and Enthalpy of Vaporization of Nicotine from Tobacco at Moderate Temperatures. Beitrage Zur Tabakforschung International/ Contributions To Tobacco Research, 2016, 27, .	0.3	1
61	Basic Information Regarding the HPLC Techniques. , 2017, , 87-187.		1
62	Start of the Implementation of a New HPLC Method. , 2017, , 1-29.		1
63	Pyrolysis of Other Compounds With Heteroatoms. , 2019, , 763-780.		1
64	Pyrolysis of Aldehydes and Ketones. , 2019, , 391-418.		1
65	Pyrolysis of Halogenated Hydrocarbons. , 2019, , 163-206.		1
66	Pyrolysis of Various Derivatives of Carboxylic Acids. , 2019, , 635-696.		1
67	Analytical pyrolysis of lignins. , 2021, , 283-309.		1
68	Analytical pyrolysis of several organic geopolymers. , 2021, , 403-425.		1
69	Chromatography as a core step for an analytical procedure. , 2021, , 79-127.		1
70	Solvent extraction. , 2021, , 191-279.		1
71	THE INFLUENCE OF COLUMN TEMPERATURE ON THE EXTRAPOLATED VALUES OF THE RETENTION FACTOR IN REVERSED-PHASE LIQUID CHROMATOGRAPHY FOR WATER AS MOBILE PHASE. Revue Roumaine De Chimie, 2019, 64, 727-731.	0.2	1
72	Extraction from Moist Snuff with Artificial Saliva of Benzo[<i>a</i>]pyrene and Other Polycyclic Aromatic Hydrocarbons. Beitrage Zur Tabakforschung International/ Contributions To Tobacco Research, 2019, 28, 214-223.	0.3	1

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73	Analysis of Î±-Tocopherol in Tobacco and Cigarette Smoke. Beitrage Zur Tabakforschung International/ Contributions To Tobacco Research, 2020, 29, 57-65.	0.3	1
74	Parameters for the characterization of HPLC separation. , 2022, , 63-105.		1
75	Chemical Degradation of Polymers for Chromatographic Analysis. , 2015, , 393-409.		0
76	Chromatography as a Core Step for Analytical Procedure. , 2015, , 51-85.		0
77	Other Sample Preparation Techniques Not Involving Chemical Modifications of the Analyte. , 2015, , 287-305.		0
78	Preliminaries to Sample Preparation. , 2015, , 3-32.		0
79	General Aspects Regarding the HPLC Analytical Column. , 2017, , 231-277.		0
80	Gradient Elution. , 2017, , 451-462.		0
81	Polar Analytical Columns. , 2017, , 329-347.		0
82	Stationary Phases and Columns for Size Exclusion. , 2017, , 377-386.		0
83	Pyrolysis of Peroxy Compounds. , 2019, , 311-319.		0
84	Pyrolysis of Amino Acids and Small Peptides. , 2019, , 555-633.		0
85	Instrumentation used in analytical pyrolysis. , 2021, , 29-84.		0
86	Analytical pyrolysis of polyterpenes. , 2021, , 87-110.		0
87	Analytical pyrolysis of polymeric materials with lipid moieties. , 2021, , 271-282.		0
88	Analytical pyrolysis of polymeric tannins. , 2021, , 311-313.		0
89	Analytical pyrolysis of nucleic acids. , 2021, , 391-401.		0
90	Analytical pyrolysis of plant materials. , 2021, , 433-457.		0

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91	Analytical pyrolysis of microorganisms. , 2021, , 459-470.		0
92	Applications of analytical pyrolysis in bio-oil production. , 2021, , 471-475.		0
93	Other applications of analytical pyrolysis in biopolymer studies. , 2021, , 477-482.		0
94	Membrane separations as sample preparation techniques. , 2021, , 439-450.		0
95	Comments on sample preparation in chromatography for different types of materials. , 2021, , 615-663.		0
96	Electro-separations in sample preparation. , 2021, , 451-458.		0
97	Other separation techniques in sample preparation. , 2021, , 459-462.		0
98	The role of derivatization in chromatography. , 2021, , 463-497.		0
99	Chemical degradation of polymers for chromatographic analysis. , 2021, , 595-613.		0
100	Mechanical processing in sample preparation. , 2021, , 131-149.		0
101	Chromatographic procedures as preliminary separations. , 2021, , 423-437.		0
102	Preliminaries to sample preparation. , 2021, , 3-50.		0
103	Analytical pyrolysis of proteins. , 2021, , 335-389.		0
104	Peak compression induced by large volume injection of hydrophobic alcohols in reversed-phase liquid chromatography. <i>Revue Roumaine De Chimie</i> , 2021, 66, 65-74.	0.2	0
105	Dr. F. Kelley St.Charles, Recipient of the 2018 Tobacco Science Research Conference Lifetime Achievement Award. <i>Beitrage Zur Tabakforschung International/ Contributions To Tobacco Research</i> , 2018, 28, 168-169.	0.3	0
106	Evaluation of Presence or Absence of $\hat{\alpha}$ -Tocopherol and $\hat{\alpha}$ -Tocopheryl Acetate in Various E-Liquids. <i>Contributions To Tobacco and Nicotine Research</i> , 2021, 30, 44-49.	0.4	0
107	Progress in Technology of the Chromatographic Columns in HPLC. , 0, , .		0
108	Mobile phases and their properties. , 2022, , 207-269.		0

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109	Hydrophilic interaction liquid chromatography. , 2022, , 447-477.		0
110	Characterization of analytes and matrices. , 2022, , 179-205.		0
111	Intermolecular interactions. , 2022, , 147-177.		0
112	Analytical HPLC columns and their characteristics. , 2022, , 271-337.		0
113	Equilibrium types in HPLC. , 2022, , 107-146.		0
114	Reversed-phase HPLC. , 2022, , 341-419.		0