

Boguslaw Buszewski

List of Publications by Year in descending order

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Version: 2024-02-01

416
papers

14,992
citations

34105

52
h-index

32842

100
g-index

433
all docs

433
docs citations

433
times ranked

13876
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrophilic interaction liquid chromatography (HILIC)â€”a powerful separation technique. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 231-247.	3.7	950
2	Human exhaled air analytics: biomarkers of diseases. <i>Biomedical Chromatography</i> , 2007, 21, 553-566.	1.7	629
3	The human volatilome: volatile organic compounds (VOCs) in exhaled breath, skin emanations, urine, feces and saliva. <i>Journal of Breath Research</i> , 2014, 8, 034001.	3.0	504
4	Noninvasive detection of lung cancer by analysis of exhaled breath. <i>BMC Cancer</i> , 2009, 9, 348.	2.6	472
5	Zinc oxide nanoparticles: Synthesis, antiseptic activity and toxicity mechanism. <i>Advances in Colloid and Interface Science</i> , 2017, 249, 37-52.	14.7	468
6	Past, Present, and Future of Solid Phase Extraction: A Review. <i>Critical Reviews in Analytical Chemistry</i> , 2012, 42, 198-213.	3.5	342
7	Determination of volatile organic compounds in exhaled breath of patients with lung cancer using solid phase microextraction and gas chromatography mass spectrometry. <i>Clinical Chemistry and Laboratory Medicine</i> , 2009, 47, 550-60.	2.3	216
8	Column Characterization and Selection Systems in Reversed-Phase High-Performance Liquid Chromatography. <i>Chemical Reviews</i> , 2019, 119, 3674-3729.	47.7	191
9	Effect of zeta potential value on bacterial behavior during electrophoretic separation. <i>Electrophoresis</i> , 2010, 31, 1590-1596.	2.4	187
10	Zearalenone and its metabolites: Effect on human health, metabolism and neutralisation methods. <i>Toxicol</i> , 2019, 162, 46-56.	1.6	182
11	Influence of silica surface chemistry and structure on the properties, structure and coverage of alkyl-bonded phases for high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1988, 449, 1-24.	3.7	166
12	Comparative study of test methods for reversed-phase columns for high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1998, 826, 135-156.	3.7	162
13	The separation of uranium ions by natural and modified diatomite from aqueous solution. <i>Journal of Hazardous Materials</i> , 2010, 181, 700-707.	12.4	161
14	Analysis of Exhaled Breath for Disease Detection. <i>Annual Review of Analytical Chemistry</i> , 2014, 7, 455-482.	5.4	160
15	Analysis of exhaled breath from smokers, passive smokers and nonâ€”smokers by solidâ€”phase microextraction gas chromatography/mass spectrometry. <i>Biomedical Chromatography</i> , 2009, 23, 551-556.	1.7	157
16	Identification of volatile lung cancer markers by gas chromatographyâ€”mass spectrometry: comparison with discrimination by canines. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 141-146.	3.7	156
17	Determination of volatile organic compounds as biomarkers of lung cancer by SPMEâ€”GCâ€”TOF/MS and chemometrics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 3360-3366.	2.3	152
18	Antimicrobial activity of biosilver nanoparticles produced by a novel <i>Streptacidiphilus durhamensis</i> strain. <i>Journal of Microbiology, Immunology and Infection</i> , 2018, 51, 45-54.	3.1	150

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19	Silver nanoparticles: Synthesis, investigation techniques, and properties. <i>Advances in Colloid and Interface Science</i> , 2020, 284, 102246.	14.7	147
20	Survey and Trends in the Preparation of Chemically Bonded Silica Phases for Liquid Chromatographic Analysis. <i>Journal of High Resolution Chromatography</i> , 1998, 21, 267-281.	1.4	144
21	The analysis of healthy volunteers' exhaled breath by the use of solid-phase microextraction and GC-MS. <i>Journal of Breath Research</i> , 2008, 2, 046006.	3.0	126
22	The application of statistical methods using VOCs to identify patients with lung cancer. <i>Journal of Breath Research</i> , 2011, 5, 046008.	3.0	124
23	Adsorption performance of talc for uranium removal from aqueous solution. <i>Chemical Engineering Journal</i> , 2011, 171, 1185-1193.	12.7	117
24	Chemically bonded phases for the reversed-phase high-performance liquid chromatographic separation of basic substances. <i>Journal of Chromatography A</i> , 1991, 552, 415-427.	3.7	105
25	Chemically Bonded Silica Stationary Phases: Synthesis, Physicochemical Characterization, and Molecular Mechanism of Reversed-Phase HPLC Retention. <i>Analytical Chemistry</i> , 1997, 69, 3277-3284.	6.5	100
26	Determination of volatile organic compounds as potential markers of lung cancer by gas chromatography-mass spectrometry versus trained dogs. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 615-621.	7.8	98
27	Analytical Techniques in Lipidomics: State of the Art. <i>Critical Reviews in Analytical Chemistry</i> , 2017, 47, 418-437.	3.5	95
28	Separation of bacteria by capillary electrophoresis. <i>Journal of Separation Science</i> , 2003, 26, 1045-1049.	2.5	86
29	State of the Art in Miniaturized Separation Techniques. <i>Critical Reviews in Analytical Chemistry</i> , 2002, 32, 1-46.	3.5	84
30	<i>Medicago sativa</i> as a source of secondary metabolites for agriculture and pharmaceutical industry. <i>Phytochemistry Letters</i> , 2017, 20, 520-539.	1.2	82
31	Monolithic continuous beds as a new generation of stationary phase for chromatographic and electro-driven separations. <i>Journal of Chromatography A</i> , 2006, 1109, 51-59.	3.7	79
32	Detection of volatile organic compounds as biomarkers in breath analysis by different analytical techniques. <i>Bioanalysis</i> , 2013, 5, 2287-2306.	1.5	79
33	Volatile Organic Compounds in Exhaled Breath as Fingerprints of Lung Cancer, Asthma and COPD. <i>Journal of Clinical Medicine</i> , 2021, 10, 32.	2.4	79
34	Supercritical Fluid Extraction of Bioactive Compounds from Plant Materials. <i>Journal of AOAC INTERNATIONAL</i> , 2017, 100, 1624-1635.	1.5	78
35	Identification of volatile organic compounds secreted from cancer tissues and bacterial cultures. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 868, 88-94.	2.3	76
36	Microfluidic reactors with immobilized enzymes Characterization, dividing, perspectives. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 84-106.	7.8	74

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37	Effect of solvent and extraction technique on composition and biological activity of <i>Lepidium sativum</i> extracts. <i>Food Chemistry</i> , 2019, 289, 16-25.	8.2	74
38	Field-Flow Fractionation: Theory, Techniques, Applications and the Challenges. <i>Critical Reviews in Analytical Chemistry</i> , 2006, 36, 129-135.	3.5	73
39	Silver-Lactoferrin Nanocomplexes as a Potent Antimicrobial Agent. <i>Journal of the American Chemical Society</i> , 2016, 138, 7899-7909.	13.7	73
40	Cholesteryl-silica stationary phase for liquid chromatography. <i>Journal of Chromatography A</i> , 1999, 845, 433-445.	3.7	71
41	Prediction of gradient retention from the linear solvent strength (LSS) model, quantitative structure-retention relationships (QSRR), and artificial neural networks (ANN). <i>Journal of Separation Science</i> , 2003, 26, 271-282.	2.5	71
42	Determination of volatile organic compounds in human breath for <i>Helicobacter pylori</i> detection by SPME-GC/MS. <i>Biomedical Chromatography</i> , 2011, 25, 391-397.	1.7	70
43	Interactions of Whey Proteins with Metal Ions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2156.	4.1	66
44	Searching for selected VOCs in human breath samples as potential markers of lung cancer. <i>Lung Cancer</i> , 2019, 135, 123-129.	2.0	65
45	Hydrophilic interaction liquid chromatography columns classification by effect of solvation and chemometric methods. <i>Journal of Chromatography A</i> , 2013, 1278, 89-97.	3.7	64
46	A holistic study of neonicotinoids neuroactive insecticides' properties, applications, occurrence, and analysis. <i>Environmental Science and Pollution Research</i> , 2019, 26, 34723-34740.	5.3	63
47	Sulphur and nitrogen doped carbon dots synthesis by microwave assisted method as quantitative analytical nano-tool for mercury ion sensing. <i>Materials Chemistry and Physics</i> , 2020, 242, 122484.	4.0	62
48	Peer Reviewed: Characterizing HPLC Stationary Phases. <i>Analytical Chemistry</i> , 2004, 76, 226 A-234 A.	6.5	61
49	Excess Adsorption of Commonly Used Organic Solvents from Water on Nonend-Capped C18-Bonded Phases in Reversed-Phase Liquid Chromatography. <i>Analytical Chemistry</i> , 2009, 81, 6334-6346.	6.5	57
50	Microbiology neutralization of zearalenone using <i>Lactococcus lactis</i> and <i>Bifidobacterium</i> sp.. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 943-952.	3.7	57
51	Studies of physicochemical and chromatographic properties of mixed amino-alkylamide bonded phases. <i>Journal of Chromatography A</i> , 1994, 673, 11-19.	3.7	56
52	Mechanism of separation on cholesterol-silica stationary phase for high-performance liquid chromatography as revealed by analysis of quantitative structure-retention relationships. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1998, 18, 721-728.	2.8	54
53	Phytochemical investigation of <i>Medicago sativa</i> L. extract and its potential as a safe source for the synthesis of ZnO nanoparticles: The proposed mechanism of formation and antimicrobial activity. <i>Phytochemistry Letters</i> , 2019, 31, 170-180.	1.2	54
54	Ionic liquid modified diatomite as a new effective adsorbent for uranium ions removal from aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 465, 159-167.	4.7	53

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55	Quantitative Structure-Retention Relationships with Model Analytes as a Means of an Objective Evaluation of Chromatographic Columns. <i>Journal of Chromatographic Science</i> , 2001, 39, 29-38.	1.4	52
56	Corona-Charged Aerosol Detection: An Analytical Approach. <i>Critical Reviews in Analytical Chemistry</i> , 2013, 43, 64-78.	3.5	51
57	Naturally organic functionalized 3D biosilica from diatom microalgae. <i>Materials and Design</i> , 2017, 132, 22-29.	7.0	51
58	Stationary phase with specific surface properties for the separation of estradiol diastereoisomers. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 792, 279-286.	2.3	50
59	Electrokinetic Detection and Characterization of Intact Microorganisms. <i>Analytical Chemistry</i> , 2009, 81, 8-15.	6.5	50
60	Identification of Microorganisms by Modern Analytical Techniques. <i>Journal of AOAC INTERNATIONAL</i> , 2017, 100, 1607-1623.	1.5	50
61	Mechanism study of intracellular zinc oxide nanocomposites formation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 553, 349-358.	4.7	50
62	Analysis of bacteria associated with honeys of different geographical and botanical origin using two different identification approaches: MALDI-TOF MS and 16S rDNA PCR technique. <i>PLoS ONE</i> , 2019, 14, e0217078.	2.5	50
63	New coated SPME fibers for extraction and fast HPLC determination of selected drugs in human blood. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 1022-1027.	2.8	49
64	A new approach for antibiotic drugs determination in human plasma by liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1272, 41-49.	3.7	49
65	Monolithic molecularly imprinted polymeric capillary columns for isolation of aflatoxins. <i>Journal of Chromatography A</i> , 2014, 1364, 163-170.	3.7	49
66	Solvent excess adsorption on the stationary phases for reversed-phase liquid chromatography with polar functional groups. <i>Journal of Chromatography A</i> , 2008, 1204, 35-41.	3.7	48
67	Microextraction sample preparation techniques in biomedical analysis. <i>Journal of Separation Science</i> , 2014, 37, 3094-3105.	2.5	48
68	Two-dimensional gel electrophoresis in the light of new developments. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 53, 167-177.	11.4	48
69	Efficiency of microbially assisted phytoremediation of heavy-metal contaminated soils. <i>Environmental Reviews</i> , 2018, 26, 316-332.	4.5	47
70	The Effect of the Reaction Medium on the Coverage Density of C18 Chemically Bonded Phase. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1987, 10, 2325-2336.	1.0	46
71	Polypyrrole solid phase microextraction: A new approach to rapid sample preparation for the monitoring of antibiotic drugs. <i>Analytica Chimica Acta</i> , 2010, 667, 77-82.	5.4	46
72	Simultaneous determination of selected chemotherapeutics in human whole blood by molecularly imprinted polymers coated solid phase microextraction fibers and liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 940, 66-76.	2.3	46

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73	The study of zinc ions binding to casein. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 120, 21-27.	5.0	46
74	Rapid identification of <i>Escherichia coli</i> and <i>Helicobacter pylori</i> in biological samples by capillary zone electrophoresis. <i>Journal of Separation Science</i> , 2006, 29, 1180-1187.	2.5	45
75	Removal of zearalenone toxin from synthetics gastric and body fluids using talc and diatomite: A batch kinetic study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 94, 7-14.	5.0	45
76	A window on cyclitols: Characterization and analytics of inositols. <i>Phytochemistry Letters</i> , 2017, 20, 507-519.	1.2	45
77	Correlation Study of Honey Regarding their Physicochemical Properties and Sugars and Cyclitols Content. <i>Molecules</i> , 2020, 25, 34.	3.8	45
78	Study of silver nanoparticles synthesized by acidophilic strain of <i>Actinobacteria</i> isolated from the of <i>Picea sitchensis</i> forest soil. <i>Journal of Applied Microbiology</i> , 2016, 120, 1250-1263.	3.1	44
79	Enzyme-assisted optimized supercritical fluid extraction to improve <i>Medicago sativa</i> polyphenolics isolation. <i>Industrial Crops and Products</i> , 2018, 124, 931-940.	5.2	44
80	Isolation, Separation, and Preconcentration of Biologically Active Compounds from Plant Matrices by Extraction Techniques. <i>Chromatographia</i> , 2018, 81, 189-202.	1.3	43
81	Epinephrine sensing at nanostructured Au electrode and determination its oxidative metabolism. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 206-215.	7.8	42
82	Retention of pyridine and 2,6-dimethylpyridine on silanized silica. <i>Journal of Chromatography A</i> , 1986, 360, 241-246.	3.7	41
83	Comparative evaluation of high-performance liquid chromatography stationary phases used for the separation of peptides in terms of quantitative structure–retention relationships. <i>Journal of Chromatography A</i> , 2007, 1175, 49-54.	3.7	41
84	Determination of zearalenone and its metabolites in endometrial cancer by coupled separation techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 2069-2078.	3.7	41
85	Dendrimer modified silica gel for anion exchange chromatography: synthesis, characterization and application. <i>Analyst</i> , 2012, 137, 4610.	3.5	41
86	Modern Methods of Pre-Treatment of Plant Material for the Extraction of Bioactive Compounds. <i>Molecules</i> , 2022, 27, 730.	3.8	41
87	Selectivity tuning and molecular modeling of new generation packings for RP HPLC. <i>Chromatographia</i> , 2001, 53, S204-S212.	1.3	40
88	Excess isotherms as a new way for characterization of the columns for reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2008, 1191, 72-77.	3.7	40
89	Differentiation of <i>Staphylococcus aureus</i> strains by CE, zeta potential and coagulase gene polymorphism. <i>Electrophoresis</i> , 2009, 30, 3086-3091.	2.4	40
90	Fibers with polypyrrole and polythiophene phases for isolation and determination of adrenolytic drugs from human plasma by SPME-HPLC. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 2226-2234.	2.3	40

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91	New alkyl-phosphate bonded stationary phases for liquid chromatographic separation of biologically active compounds. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 731-740.	3.7	40
92	Near real-time VOCs analysis using an aspiration ion mobility spectrometer. <i>Journal of Breath Research</i> , 2013, 7, 026002.	3.0	40
93	Amino acids, peptides, and proteins as chemically bonded stationary phases – A review. <i>Journal of Separation Science</i> , 2016, 39, 83-92.	2.5	40
94	Comparison of Solvent Adsorption on Chemically Bonded Stationary Phases in RP-LC. <i>Chromatographia</i> , 2008, 68, 19-26.	1.3	39
95	Least absolute shrinkage and selection operator and dimensionality reduction techniques in quantitative structure retention relationship modeling of retention in hydrophilic interaction liquid chromatography. <i>Journal of Chromatography A</i> , 2015, 1403, 54-62.	3.7	39
96	Comparison of the retention of organic acids on alkyl and alkylamide chemically bonded phases. <i>Journal of Chromatography A</i> , 1995, 691, 217-224.	3.7	38
97	Alkylated poly(styrene- <i>co</i> -divinylbenzene) monolithic columns for HPLC and CEC separation of phenolic acids. <i>Journal of Separation Science</i> , 2007, 30, 3018-3026.	2.5	38
98	Residual silanols at reversed-phase silica in HPLC – a contribution for a better understanding. <i>Journal of Separation Science</i> , 2012, 35, 1191-1200.	2.5	38
99	Novel aspects of silver nanoparticles functionalization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 506, 170-178.	4.7	38
100	Mass spectrometric techniques for the analysis of volatile organic compounds emitted from bacteria. <i>Bioanalysis</i> , 2017, 9, 1069-1092.	1.5	38
101	Comprehensive review of trends and analytical strategies applied for biological samples preparation and storage in modern medical lipidomics: State of the art. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 86, 276-289.	11.4	38
102	Preparation of silanized silica with high ligand density. The effect of silane structure. <i>Chromatographia</i> , 1987, 23, 442-446.	1.3	37
103	Polyfunctional chemically bonded stationary phase for reversed phase high-performance liquid chromatography. <i>Chromatographia</i> , 1998, 48, 615-622.	1.3	37
104	Porous graphitic carbon sorbents in biomedical and environmental applications. <i>Adsorption</i> , 2009, 15, 193-202.	3.0	37
105	Comparative Gas Chromatographic-Mass Spectrometric Evaluation of Hop (<i>Humulus lupulus</i> L.) Essential Oils and Extracts Obtained Using Different Sample Preparation Methods. <i>Food Analytical Methods</i> , 2014, 7, 1433-1442.	2.6	37
106	Strain-specific bioaccumulation and intracellular distribution of Cd ²⁺ in bacteria isolated from the rhizosphere, ectomycorrhizae, and fruitbodies of ectomycorrhizal fungi. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3055-3067.	5.3	37
107	Saliva – Volatile Biomarkers and Profiles. <i>Critical Reviews in Analytical Chemistry</i> , 2017, 47, 251-266.	3.5	37
108	Volatile organic compounds released by maize following herbivory or insect extract application and communication between plants. <i>Journal of Applied Entomology</i> , 2017, 141, 630-643.	1.8	37

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109	Extraction approaches used for the determination of biologically active compounds (cyclitols,) Tj ETQq1 1 0.784314 rgBT /Overlock 107	2.45	37
110	Preparation and evaluation of dual-enzyme microreactor with co-immobilized trypsin and chymotrypsin. <i>Journal of Chromatography A</i> , 2016, 1440, 45-54.	3.7	36
111	The impact of ion-pairing reagents on the selectivity and sensitivity in the analysis of modified oligonucleotides in serum samples by liquid chromatography coupled with tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 138, 146-152.	2.8	36
112	VOC Profiles of Saliva in Assessment of Halitosis and Submandibular Abscesses Using HS-SPME-GC/MS Technique. <i>Molecules</i> , 2019, 24, 2977.	3.8	36
113	Silver nanoparticles functionalized with ampicillin. <i>Electrophoresis</i> , 2017, 38, 2757-2764.	2.4	35
114	Analysis of Antisense Oligonucleotides and Their Metabolites with the Use of Ion Pair Reversed-Phase Liquid Chromatography Coupled with Mass Spectrometry. <i>Critical Reviews in Analytical Chemistry</i> , 2019, 49, 256-270.	3.5	35
115	Determination of pathogenic bacteria by CZE with surface- ϵ -modified capillaries. <i>Electrophoresis</i> , 2008, 29, 4177-4184.	2.4	34
116	Functionalized polymeric stationary phases for ion chromatography. <i>Journal of Separation Science</i> , 2011, 34, 601-608.	2.5	34
117	Differences in emission of nitrogen and phosphorus into the Vistula and Oder basins in 1995-2008 - Natural and anthropogenic causes (MONERIS model). <i>Journal of Marine Systems</i> , 2012, 89, 48-60.	2.1	34
118	Antimicrobial properties of biosynthesized silver nanoparticles studied by flow cytometry and related techniques. <i>Electrophoresis</i> , 2016, 37, 752-761.	2.4	34
119	Determination of some psychotropic drugs in serum and saliva samples by HPLC-DAD and HPLC MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 127, 68-80.	2.8	34
120	The Healing-Promoting Properties of Selected Cyclitols - A Review. <i>Nutrients</i> , 2018, 10, 1891.	4.1	34
121	Development of a method based on ultra high performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry for studying the in vitro metabolism of phosphorothioate oligonucleotides. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1585-1595.	3.7	33
122	Comparison of Various Extraction Techniques of <i>Medicago sativa</i> : Yield, Antioxidant Activity, and Content of Phytochemical Constituents. <i>Journal of AOAC INTERNATIONAL</i> , 2017, 100, 1681-1693.	1.5	33
123	A novel approach to the rapid determination of amoxicillin in human plasma by solid phase microextraction and liquid chromatography. <i>Analyst</i> , 2011, 136, 2635.	3.5	31
124	Functionalized anion exchange stationary phase for separation of anionic compounds. <i>Talanta</i> , 2014, 127, 133-139.	5.5	31
125	The effect of growth medium on an <i>Escherichia coli</i> pathway mirrored into GC/MS profiles. <i>Journal of Breath Research</i> , 2017, 11, 036012.	3.0	31
126	Use of <i>Lactobacillus paracasei</i> strain for zearalenone binding and metabolization. <i>Toxicon</i> , 2020, 181, 9-18.	1.6	31

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127	Chromatographic and related studies of alkylamide phases. <i>Chromatographia</i> , 1994, 39, 155-161.	1.3	30
128	Zeta potential determination as a new way of stationary phases characterization for liquid chromatography. <i>Journal of Separation Science</i> , 2010, 33, 1529-1537.	2.5	30
129	Volatile organic compounds (VOCs) from cereal plants infested with crown rot: their identity and their capacity for inducing production of VOCs in uninfested plants. <i>International Journal of Pest Management</i> , 2010, 56, 377-383.	1.8	30
130	A new way of solid-phase microextraction fibers preparation for selected antibiotic drug determination by HPLC-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 2542-2548.	2.3	30
131	Influence of chemical modification on the porous structure of polymeric adsorbents. <i>Materials Chemistry and Physics</i> , 2011, 130, 644-650.	4.0	30
132	Application of hydrophilic interaction liquid chromatography coupled with mass spectrometry in the analysis of phosphorothioate oligonucleotides in serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1040, 282-288.	2.3	30
133	The influence of different pH on the electrophoretic behaviour of <i>Saccharomyces cerevisiae</i> modified by calcium ions. <i>Scientific Reports</i> , 2018, 8, 7261.	3.3	30
134	Study of solvent adsorption on chemically bonded stationary phases by microcalorimetry and liquid chromatography. <i>Journal of Colloid and Interface Science</i> , 2010, 349, 620-625.	9.4	29
135	Separation of flavonoids on different phenyl-bonded stationary phases-the influence of polar groups in stationary phase structure. <i>Journal of Chromatography A</i> , 2016, 1429, 198-206.	3.7	29
136	Application of solid phase microextraction followed by liquid chromatography-mass spectrometry in the determination of antibiotic drugs and their metabolites in human whole blood and tissue samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1086, 153-165.	2.3	29
137	Silicon dioxide surface modified with cholesterol derivatives. <i>Materials Chemistry and Physics</i> , 2001, 72, 30-41.	4.0	28
138	The analytical calibration in (bio)imaging/mapping of the metallic elements in biological samples – Definitions, nomenclature and strategies: State of the art. <i>Talanta</i> , 2015, 131, 273-285.	5.5	28
139	The determination of zearalenone and its major metabolites in endometrial cancer tissues. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1571-1582.	3.7	28
140	Determination of Selected Isoquinoline Alkaloids from <i>Mahonia aquifolia</i> ; <i>Meconopsis cambrica</i> ; <i>Corydalis lutea</i> ; <i>Dicentra spectabilis</i> ; <i>Fumaria officinalis</i> ; <i>Macleaya cordata</i> Extracts by HPLC-DAD and Comparison of Their Cytotoxic Activity. <i>Toxins</i> , 2019, 11, 575.	3.4	28
141	Complementarity of Matrix- and Nanostructure-Assisted Laser Desorption/Ionization Approaches. <i>Nanomaterials</i> , 2019, 9, 260.	4.1	28
142	Study of the retention and selectivity of cholesterol bonded phases with different linkage spacers. <i>Journal of Chromatography A</i> , 2010, 1217, 6891-6897.	3.7	27
143	Study of solvation processes on cholesterol bonded phases. <i>Journal of Chromatography A</i> , 2011, 1218, 441-448.	3.7	27
144	Capillary electrophoresis of microbial aggregates. <i>Electrophoresis</i> , 2014, 35, 1160-1164.	2.4	27

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145	Two-Dimensional High Performance Liquid Chromatography-Mass Spectrometry for Phosphatidylcholine Analysis in Egg Yolk. <i>Food Analytical Methods</i> , 2015, 8, 661-667.	2.6	27
146	Determination of Omega Fatty Acid Profiles in Egg Yolk by HILIC-LC-MS and GC-MS. <i>Food Analytical Methods</i> , 2017, 10, 1264-1272.	2.6	27
147	Supercritical fluid extraction in isolation of cyclitols and sugars from chamomile flowers. <i>Journal of Separation Science</i> , 2019, 42, 3243-3252.	2.5	27
148	Study of <i>Bacillus subtilis</i> response to different forms of silver. <i>Science of the Total Environment</i> , 2019, 661, 120-129.	8.0	27
149	An Optimistic Vision of Future: Diagnosis of Bacterial Infections by Sensing Their Associated Volatile Organic Compounds. <i>Critical Reviews in Analytical Chemistry</i> , 2020, 50, 501-512.	3.5	27
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