

Boguslaw Buszewski

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399
papers

11,111
citations

47
h-index

87
g-index

433
ext. papers

12,984
ext. citations

4.6
avg, IF

6.9
L-index

#	Paper	IF	Citations
399	Hydrophilic interaction liquid chromatography (HILIC)--a powerful separation technique. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 231-47	4.4	772
398	Human exhaled air analytics: biomarkers of diseases. <i>Biomedical Chromatography</i> , 2007 , 21, 553-66	1.7	523
397	Noninvasive detection of lung cancer by analysis of exhaled breath. <i>BMC Cancer</i> , 2009 , 9, 348	4.8	389
396	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	3.1	336
395	Zinc oxide nanoparticles: Synthesis, antiseptic activity and toxicity mechanism. <i>Advances in Colloid and Interface Science</i> , 2017 , 249, 37-52	14.3	275
394	Past, Present, and Future of Solid Phase Extraction: A Review. <i>Critical Reviews in Analytical Chemistry</i> , 2012 , 42, 198-213	5.2	264
393	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	5.9	178
392	Comparative study of test methods for reversed-phase columns for high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1998 , 826, 135-156	4.5	152
391	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	4.5	151
390	The separation of uranium ions by natural and modified diatomite from aqueous solution. <i>Journal of Hazardous Materials</i> , 2010 , 181, 700-7	12.8	146
389	Effect of zeta potential value on bacterial behavior during electrophoretic separation. <i>Electrophoresis</i> , 2010 , 31, 1590-6	3.6	137
388	Analysis of exhaled breath from smokers, passive smokers and non-smokers by solid-phase microextraction gas chromatography/mass spectrometry. <i>Biomedical Chromatography</i> , 2009 , 23, 551-6	1.7	136
387	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		128
386	Determination of volatile organic compounds as biomarkers of lung cancer by SPME-GC-TOF/MS and chemometrics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011 , 879, 3360-6	3.2	121
385	Analysis of exhaled breath for disease detection. <i>Annual Review of Analytical Chemistry</i> , 2014 , 7, 455-82	12.5	117
384	Identification of volatile lung cancer markers by gas chromatography-mass spectrometry: comparison with discrimination by canines. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 141-6	4.4	116
383	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	3.1	106

382	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	8.5	104
381	Chemically bonded phases for the reversed-phase high-performance liquid chromatographic separation of basic substances. <i>Journal of Chromatography A</i> , 1991 , 552, 415-27	4.5	100
380	The application of statistical methods using VOCs to identify patients with lung cancer. <i>Journal of Breath Research</i> , 2011 , 5, 046008	3.1	99
379	Chemically Bonded Silica Stationary Phases: Synthesis, Physicochemical Characterization, and Molecular Mechanism of Reversed-Phase HPLC Retention. <i>Analytical Chemistry</i> , 1997 , 69, 3277-3284	7.8	93
378	Zearalenone and its metabolites: Effect on human health, metabolism and neutralisation methods. <i>Toxicol</i> , 2019 , 162, 46-56	2.8	92
377	Column Characterization and Selection Systems in Reversed-Phase High-Performance Liquid Chromatography. <i>Chemical Reviews</i> , 2019 , 119, 3674-3729	68.1	91
376	Adsorption performance of talc for uranium removal from aqueous solution. <i>Chemical Engineering Journal</i> , 2011 , 171, 1185-1193	14.7	89
375	Separation of bacteria by capillary electrophoresis. <i>Journal of Separation Science</i> , 2003 , 26, 1045-1049	3.4	78
374	State of the Art in Miniaturized Separation Techniques. <i>Critical Reviews in Analytical Chemistry</i> , 2002 , 32, 1-46	5.2	76
373	Monolithic continuous beds as a new generation of stationary phase for chromatographic and electro-driven separations. <i>Journal of Chromatography A</i> , 2006 , 1109, 51-9	4.5	74
372	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	8.5	70
371	Analytical Techniques in Lipidomics: State of the Art. <i>Critical Reviews in Analytical Chemistry</i> , 2017 , 47, 418-437	5.2	68
370	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	3.2	65
369	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	3.4	65
368	Cholesteryl-silica stationary phase for liquid chromatography: Comparative study of retention behavior and selectivity. <i>Journal of Chromatography A</i> , 1999 , 845, 433-445	4.5	65
367	Determination of volatile organic compounds in human breath for <i>Helicobacter pylori</i> detection by SPME-GC/MS. <i>Biomedical Chromatography</i> , 2011 , 25, 391-7	1.7	60
366	Field-Flow Fractionation: Theory, Techniques, Applications and the Challenges. <i>Critical Reviews in Analytical Chemistry</i> , 2006 , 36, 129-135	5.2	59
365	Hydrophilic interaction liquid chromatography columns classification by effect of solvation and chemometric methods. <i>Journal of Chromatography A</i> , 2013 , 1278, 89-97	4.5	56

364	Peer Reviewed: Characterizing HPLC Stationary Phases. <i>Analytical Chemistry</i> , 2004 , 76, 226 A-234 A	7.8	55
363	Microfluidic reactors with immobilized enzymes: Characterization, dividing, perspectives. <i>Sensors and Actuators B: Chemical</i> , 2017 , 244, 84-106	8.5	54
362	Silver-Lactoferrin Nanocomplexes as a Potent Antimicrobial Agent. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7899-909	16.4	54
361	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	7.8	54
360	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, 721-8	3.5	53
359	Studies of physicochemical and chromatographic properties of mixed amino-alkylamide bonded phases. <i>Journal of Chromatography A</i> , 1994 , 673, 11-19	4.5	53
358	Detection of volatile organic compounds as biomarkers in breath analysis by different analytical techniques. <i>Bioanalysis</i> , 2013 , 5, 2287-306	2.1	52
357	Silver nanoparticles: Synthesis, investigation techniques, and properties. <i>Advances in Colloid and Interface Science</i> , 2020 , 284, 102246	14.3	50
356	Supercritical Fluid Extraction of Bioactive Compounds from Plant Materials. <i>Journal of AOAC INTERNATIONAL</i> , 2017 , 100, 1624-1635	1.7	48
355	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	48
354	Medicago sativa as a source of secondary metabolites for agriculture and pharmaceutical industry. <i>Phytochemistry Letters</i> , 2017 , 20, 520-539	1.9	47
353	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, 1022-7	3.5	47
352	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, 279-86	3.2	47
351	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		46
350	A new approach for antibiotic drugs determination in human plasma by liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2013 , 1272, 41-9	4.5	45
349	Corona-Charged Aerosol Detection: An Analytical Approach. <i>Critical Reviews in Analytical Chemistry</i> , 2013 , 43, 64-78	5.2	45
348	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	8.5	44
347	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	5.1	44

346	Monolithic molecularly imprinted polymeric capillary columns for isolation of aflatoxins. <i>Journal of Chromatography A</i> , 2014 , 1364, 163-70	4.5	44
345	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	6.6	44
344	Rapid identification of Escherichia coli and Helicobacter pylori in biological samples by capillary zone electrophoresis. <i>Journal of Separation Science</i> , 2006 , 29, 1180-7	3.4	44
343	Two-dimensional gel electrophoresis in the light of new developments. <i>TrAC - Trends in Analytical Chemistry</i> , 2014 , 53, 167-177	14.6	43
342	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	4.5	43
341	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> , 2012 , 940, 41-51	3.2	41
340	Microextraction sample preparation techniques in biomedical analysis. <i>Journal of Separation Science</i> , 2014 , 37, 3094-105	3.4	41
339	Electrokinetic detection and characterization of intact microorganisms. <i>Analytical Chemistry</i> , 2009 , 81, 8-15	7.8	41
338	Microbiology neutralization of zearalenone using Lactococcus lactis and Bifidobacterium sp. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 943-952	4.4	40
337	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	6	39
336	Retention of pyridine and 2,6-dimethylpyridine on silanized silica. <i>Journal of Chromatography A</i> , 1986 , 360, 241-246	4.5	39
335	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, 2226-34	3.2	38
334	Excess isotherms as a new way for characterization of the columns for reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2008 , 1191, 72-7	4.5	38
333	New alkyl-phosphate bonded stationary phases for liquid chromatographic separation of biologically active compounds. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 731-40	4.4	37
332	Polyfunctional chemically bonded stationary phase for reversed phase high-performance liquid chromatography. <i>Chromatographia</i> , 1998 , 48, 615-622	2.1	37
331	Alkylated poly(styrene-divinylbenzene) monolithic columns for mu-HPLC and CEC separation of phenolic acids. <i>Journal of Separation Science</i> , 2007 , 30, 3018-26	3.4	37
330	Searching for selected VOCs in human breath samples as potential markers of lung cancer. <i>Lung Cancer</i> , 2019 , 135, 123-129	5.9	37
329	Isolation, Separation, and Preconcentration of Biologically Active Compounds from Plant Matrices by Extraction Techniques. <i>Chromatographia</i> , 2018 , 81, 189-202	2.1	36

328	Dendrimer modified silica gel for anion exchange chromatography: synthesis, characterization and application. <i>Analyst, The</i> , 2012 , 137, 4610-7	5	36
327	Near real-time VOCs analysis using an aspiration ion mobility spectrometer. <i>Journal of Breath Research</i> , 2013 , 7, 026002	3.1	36
326	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	4.5	36
325	Comparison of Solvent Adsorption on Chemically Bonded Stationary Phases in RP-LC. <i>Chromatographia</i> , 2008 , 68, 19-26	2.1	36
324	Comparison of the retention of organic acids on alkyl and alkylamide chemically bonded phases. <i>Journal of Chromatography A</i> , 1995 , 691, 217-224	4.5	36
323	Study of silver nanoparticles synthesized by acidophilic strain of Actinobacteria isolated from the of Picea sitchensis forest soil. <i>Journal of Applied Microbiology</i> , 2016 , 120, 1250-63	4.7	35
322	The study of zinc ions binding to casein. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 120, 21-7	6	35
321	Determination of zearalenone and its metabolites in endometrial cancer by coupled separation techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 2069-78	4.4	35
320	Selectivity tuning and molecular modeling of new generation packings for RP HPLC. <i>Chromatographia</i> , 2001 , 53, S204-S212	2.1	35
319	Naturally organic functionalized 3D biosilica from diatom microalgae. <i>Materials and Design</i> , 2017 , 132, 22-29	8.1	34
318	Identification of Microorganisms by Modern Analytical Techniques. <i>Journal of AOAC INTERNATIONAL</i> , 2017 , 100, 1607-1623	1.7	34
317	Differentiation of Staphylococcus aureus strains by CE, zeta potential and coagulase gene polymorphism. <i>Electrophoresis</i> , 2009 , 30, 3086-3091	3.6	33
316	Enzyme-assisted optimized supercritical fluid extraction to improve Medicago sativa polyphenolics isolation. <i>Industrial Crops and Products</i> , 2018 , 124, 931-940	5.9	33
315	A window on cyclitols: Characterization and analytics of inositols. <i>Phytochemistry Letters</i> , 2017 , 20, 507-519	5.19	32
314	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	4.5	32
313	Porous graphitic carbon sorbents in biomedical and environmental applications. <i>Adsorption</i> , 2009 , 15, 193-202	2.6	32
312	Amino acids, peptides, and proteins as chemically bonded stationary phases--A review. <i>Journal of Separation Science</i> , 2016 , 39, 83-92	3.4	32
311	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, 3055-67	5.1	31

310	Efficiency of microbially assisted phytoremediation of heavy-metal contaminated soils. <i>Environmental Reviews</i> , 2018 , 26, 316-332	4.5	31
309	Preparation of silanized silica with high ligand density. The effect of silane structure. <i>Chromatographia</i> , 1987 , 23, 442-446	2.1	31
308	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	4.4	31
307	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, 1585-95	4.4	30
306	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	2.7	30
305	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	3.4	30
304	Correlation Study of Honey Regarding their Physicochemical Properties and Sugars and Cyclitols Content. <i>Molecules</i> , 2019 , 25,	4.8	30
303	Antimicrobial properties of biosynthesized silver nanoparticles studied by flow cytometry and related techniques. <i>Electrophoresis</i> , 2016 , 37, 752-61	3.6	29
302	Mass spectrometric techniques for the analysis of volatile organic compounds emitted from bacteria. <i>Bioanalysis</i> , 2017 , 9, 1069-1092	2.1	29
301	Residual silanols at reversed-phase silica in HPLC--a contribution for a better understanding. <i>Journal of Separation Science</i> , 2012 , 35, 1191-200	3.4	29
300	Influence of chemical modification on the porous structure of polymeric adsorbents. <i>Materials Chemistry and Physics</i> , 2011 , 130, 644-650	4.4	29
299	Determination of pathogenic bacteria by CZE with surface-modified capillaries. <i>Electrophoresis</i> , 2008 , 29, 4177-84	3.6	29
298	Volatile Organic Compounds in Exhaled Breath as Fingerprints of Lung Cancer, Asthma and COPD. <i>Journal of Clinical Medicine</i> , 2020 , 10,	5.1	29
297	Novel aspects of silver nanoparticles functionalization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 506, 170-178	5.1	29
296	Mechanism study of intracellular zinc oxide nanocomposites formation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 553, 349-358	5.1	29
295	A holistic study of neonicotinoids neuroactive insecticides-properties, applications, occurrence, and analysis. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 34723-34740	5.1	28
294	Epinephrine sensing at nanostructured Au electrode and determination its oxidative metabolism. <i>Sensors and Actuators B: Chemical</i> , 2016 , 237, 206-215	8.5	28
293	Preparation and evaluation of dual-enzyme microreactor with co-immobilized trypsin and chymotrypsin. <i>Journal of Chromatography A</i> , 2016 , 1440, 45-54	4.5	28

292	Functionalized anion exchange stationary phase for separation of anionic compounds. <i>Talanta</i> , 2014 , 127, 133-9	6.2	28
291	Zeta potential determination as a new way of stationary phases characterization for liquid chromatography. <i>Journal of Separation Science</i> , 2010 , 33, 1529-37	3.4	28
290	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	3.5	27
289	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	14.6	27
288	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, 2542-8	3.2	27
287	Functionalized polymeric stationary phases for ion chromatography. <i>Journal of Separation Science</i> , 2011 , 34, 601-8	3.4	27
286	A novel approach to the rapid determination of amoxicillin in human plasma by solid phase microextraction and liquid chromatography. <i>Analyst, The</i> , 2011 , 136, 2635-42	5	27
285	Study of solvent adsorption on chemically bonded stationary phases by microcalorimetry and liquid chromatography. <i>Journal of Colloid and Interface Science</i> , 2010 , 349, 620-5	9.3	27
284	Silicon dioxide surface modified with cholesterol derivatives. <i>Materials Chemistry and Physics</i> , 2001 , 72, 30-41	4.4	27
283	Chromatographic and related studies of alkylamide phases. <i>Chromatographia</i> , 1994 , 39, 155-161	2.1	27
282	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	3.5	26
281	Interactions of Whey Proteins with Metal Ions. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	26
280	The effect of growth medium on an Escherichia coli pathway mirrored into GC/MS profiles. <i>Journal of Breath Research</i> , 2017 , 11, 036012	3.1	26
279	Study of solvation processes on cholesterol bonded phases. <i>Journal of Chromatography A</i> , 2011 , 1218, 441-8	4.5	26
278	Study of the retention and selectivity of cholesterol bonded phases with different linkage spacers. <i>Journal of Chromatography A</i> , 2010 , 1217, 6891-7	4.5	26
277	The influence of properties of packing materials upon the recovery of biological substances isolated from urine by solid-phase extraction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1990 , 8, 645-9	3.5	26
276	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	3.7	25
275	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	1.9	25

274	Extraction approaches used for the determination of biologically active compounds (cyclitols, polyphenols and saponins) isolated from plant material. <i>Electrophoresis</i> , 2018 , 39, 1860	3.6	25
273	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	1.5	25
272	Study on the structure of chemically bonded C18 phase for HPLC. <i>Chromatographia</i> , 1987 , 24, 573-578	2.1	25
271	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	5.2	25
270	Comparison of Various Extraction Techniques of : Yield, Antioxidant Activity, and Content of Phytochemical Constituents. <i>Journal of AOAC INTERNATIONAL</i> , 2017 , 100, 1681-1693	1.7	24
269	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	4.5	24
268	Saliva - Volatile Biomarkers and Profiles. <i>Critical Reviews in Analytical Chemistry</i> , 2017 , 47, 251-266	5.2	23
267	VOC Profiles of Saliva in Assessment of Halitosis and Submandibular Abscesses Using HS-SPME-GC/MS Technique. <i>Molecules</i> , 2019 , 24,	4.8	23
266	Characterization of the properties of stationary phases for liquid chromatography in aqueous mobile phases using aromatic sulphonic acids as the test compounds. <i>Journal of Chromatography A</i> , 2009 , 1216, 237-48	4.5	23
265	Effect of coverage density and structure of chemically bonded silica stationary phases on the separation of compounds with various properties. <i>Journal of Separation Science</i> , 2006 , 29, 829-36	3.4	23
264	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, 273-85	6.2	22
263	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> , 2019 , 1004, 153-167	3.2	22
262	Determination of flavonoids and their metabolites by chromatographic techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 47, 47-67	14.6	22
261	Characterization of new N,O-dialkyl phosphoramidate-bonded stationary phases for reversed-phase HPLC - retention and selectivity. <i>Analyst, The</i> , 2013 , 138, 5221-9	5	22
260	Determination of adrenolytic drugs by SPME-LC-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 173-179	4.4	22
259	The effect of stationary phase on lipophilicity determination of beta-blockers using reverse-phase chromatographic systems. <i>Biomedical Chromatography</i> , 2005 , 19, 725-36	1.7	22
258	Capillary electrophoresis of microbial aggregates. <i>Electrophoresis</i> , 2014 , 35, 1160-4	3.6	21
257	Preparation and characterization of microporous fibers for sample preparation and LC-MS determination of drugs. <i>Journal of Separation Science</i> , 2009 , 32, 2448-54	3.4	21

256	Determination of selected beta-receptor antagonists in biological samples by solid-phase extraction with cholesterolic phase and LC/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 393, 263-72	4.4	21
255	Effects of mechanical injury and insect feeding on volatiles emitted by wheat plants. <i>Entomologica Fennica</i> , 2010 , 21, 117-128	1	21
254	Study of <i>Bacillus subtilis</i> response to different forms of silver. <i>Science of the Total Environment</i> , 2019 , 661, 120-129	10.2	20
253	Determination of Selected Isoquinoline Alkaloids from Extracts by HPLC-DAD and Comparison of Their Cytotoxic Activity. <i>Toxins</i> , 2019 , 11,	4.9	20
252	Evaluation of ultra high-performance [corrected] liquid chromatography columns for the analysis of unmodified and antisense oligonucleotides. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 7127-36	4.4	20
251	Bioanalytics in Quantitive (Bio)imaging/Mapping of Metallic Elements in Biological Samples. <i>Critical Reviews in Analytical Chemistry</i> , 2015 , 45, 334-47	5.2	20
250	High-density chemically bonded octadecyl phases on silica gels and their application in high-performance liquid chromatography. <i>Analytica Chimica Acta</i> , 1988 , 208, 263-273	6.6	20
249	Two-Dimensional High Performance Liquid Chromatography-Mass Spectrometry for Phosphatidylcholine Analysis in Egg Yolk. <i>Food Analytical Methods</i> , 2015 , 8, 661-667	3.4	19
248	Determination of phospholipids in milk using a new phosphodiester stationary phase by liquid chromatography-matrix assisted desorption ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2016 , 1432, 39-48	4.5	19
247	Application of the zeta potential for stationary phase characterization in ion chromatography. <i>Journal of Separation Science</i> , 2013 , 36, 156-63	3.4	19
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