

Boguslaw Buszewski

List of Publications by Year in Descending Order

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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.

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	Determination of the pharmaceuticals-nano/microplastics in aquatic systems by analytical and instrumental methods.. <i>Environmental Monitoring and Assessment</i> , 2022 , 194, 93	3.1	2
398	Volatile Organic Compounds Emitted by Biological Matrices 2022 , 1-17		
397	Isolation of omega-3 polyunsaturated fatty acids (eicosapentaenoic acid - EPA and docosahexaenoic acid - DHA) from diatom biomass using different extraction methods. <i>Algal Research</i> , 2022 , 62, 102615	5	2
396	Selected Medicinal Plants as a Source of Biologically Active Compounds 2022 , 1-21		
395	Modern Approaches for Microorganisms Identification 2022 , 1-29		
394	Analytics of Antisense Oligonucleotides 2022 , 1-22		
393	Bioanalytics in In Vitro and In Vivo Transformation of Biologically Active Compounds for the Needs of Biomedical Diagnostics 2022 , 1-23		
392	New approach in determination of urinary diagnostic markers for prostate cancer by MALDI-TOF/MS. <i>Talanta</i> , 2022 , 236, 122843	6.2	2
391	Separation Sciences in Poland. <i>Separations</i> , 2022 , 9, 50	3.1	
390	Determination of 15 human pharmaceutical residues in fish and shrimp tissues by high-performance liquid chromatography-tandem mass spectrometry.. <i>Environmental Monitoring and Assessment</i> , 2022 , 194, 325	3.1	1
389	Investigation of the mechanism of zearalenone metabolization in different systems: Electrochemical and theoretical approaches.. <i>Toxicon</i> , 2022 , 210, 19-24	2.8	0
388	Induction of volatile organic compounds in <i>Triticum aestivum</i> (wheat) plants following infection by different <i>Rhizoctonia</i> pathogens is species specific.. <i>Phytochemistry</i> , 2022 , 113162	4	0
387	Spectroscopic Techniques in Research of Biocolloids 2022 , 1-28		
386	Lipid Constituents of Diatoms (Halamphora) as Components for Production of Lipid Nanoparticles. <i>Pharmaceutics</i> , 2022 , 14, 1171	6.4	0
385	Isoquinoline Alkaloid Contents in <i>Macleaya cordata</i> Extracts and Their Acetylcholinesterase and Butyrylcholinesterase Inhibition. <i>Molecules</i> , 2022 , 27, 3606	4.8	0
384	<i>Lactobacillus paracasei</i> as a Modulator of Fatty Acid Compositions and Vitamin D3 in Cream. <i>Foods</i> , 2022 , 11, 1659	4.9	
383	Modern Approaches for Microorganisms Identification 2022 , 833-861		

382	Spectroscopic Techniques in Research of Biocolloids 2022 , 805-832		
381	Bioanalytics in In Vitro and In Vivo Transformation of Biologically Active Compounds for the Needs of Biomedical Diagnostics 2022 , 3-25		
380	Volatile Organic Compounds Emitted by Biological Matrices 2022 , 277-293		
379	Selected Medicinal Plants as a Source of Biologically Active Compounds 2022 , 485-505		
378	Analytics of Antisense Oligonucleotides 2022 , 91-112		
377	CE-DAD-MS/MS in the simultaneous determination and identification of selected antibiotic drugs and their metabolites in human urine samples. <i>Electrophoresis</i> , 2021 ,	3.6	1
376	Study on carbapenemase-producing bacteria by matrix-assisted laser desorption/ionization approach. <i>PLoS ONE</i> , 2021 , 16, e0247369	3.7	2
375	Determination of Cytotoxic Activity of Extracts against Human Melanoma Cells and Comparison of Their Cytotoxicity with Cytotoxicity of Some Anticancer Drugs. <i>Molecules</i> , 2021 , 26,	4.8	2
374	Metabolic Profiling of VOCs Emitted by Bacteria Isolated from Pressure Ulcers and Treated with Different Concentrations of Bio-AgNPs. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
373	Lipidomics as a Diagnostic Tool for Prostate Cancer. <i>Cancers</i> , 2021 , 13,	6.6	11
372	Promising Green Technology in Obtaining Functional Plant Preparations: Combined Enzyme-Assisted Supercritical Fluid Extraction of Flavonoids Isolation from Leaves. <i>Materials</i> , 2021 , 14,	3.5	2
371	The potential application of supercritical CO in microbial inactivation of food raw materials and products. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-14	11.5	4
370	Comparative Studies of Selected Criteria Enabling Optimization of the Extraction of Polar Biologically Active Compounds from Alfalfa with Supercritical Carbon Dioxide. <i>Molecules</i> , 2021 , 26,	4.8	1
369	The Study on Molecular Profile Changes of Pathogens via Zinc Nanocomposites Immobilization Approach. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
368	A new approach to identifying pathogens, with particular regard to viruses, based on capillary electrophoresis and other analytical techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 139, 116250	14.6	1
367	Identification and quantification of cyclitols and sugars isolated from different morphological parts of <i>L. Natural Product Research</i> , 2021 , 1-6	2.3	
366	Diatom Biosilica Doped with Palladium(II) Chloride Nanoparticles as New Efficient Photocatalysts for Methyl Orange Degradation. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
365	Linear solvation energy relationships in the determination of phospholipids by supercritical fluid chromatography. <i>Journal of Supercritical Fluids</i> , 2021 , 173, 105206	4.2	4

364	Analysis of Natural Dyes from Historical Objects by High Performance Liquid Chromatography and Electromigration Techniques. <i>Critical Reviews in Analytical Chemistry</i> , 2021 , 51, 411-444	5.2	3
363	Combination of electrochemical unit and ESI-MS in fragmentation of flavonoids. <i>Phytochemical Analysis</i> , 2021 , 32, 601-620	3.4	1
362	Interactions of zinc aqua complexes with ovalbumin at the forefront of the Zn ²⁺ /ZnO-OVO hybrid complex formation mechanism. <i>Applied Surface Science</i> , 2021 , 542, 148641	6.7	5
361	Effects of growth conditions and cultivability on the content of cyclitols in <i>Medicago sativa</i> . <i>International Journal of Environmental Science and Technology</i> , 2021 , 18, 33-48	3.3	5
360	Evolution and Evaluation of GC Columns. <i>Critical Reviews in Analytical Chemistry</i> , 2021 , 51, 150-173	5.2	5
359	Silver Nanoparticles 2021 , 440-457		
358	Cyclitols Determination in Food and Bioactivity in the Human Organism. <i>Food Bioactive Ingredients</i> , 2021 , 163-191	0.2	
357	Determination of Cytotoxic Activity of Selected Isoquinoline Alkaloids and Plant Extracts Obtained from Various Parts of Collected in Various Vegetation Seasons. <i>Molecules</i> , 2021 , 26,	4.8	3
356	Needle Trap Device-GC-MS for Characterization of Lung Diseases Based on Breath VOC Profiles. <i>Molecules</i> , 2021 , 26,	4.8	4
355	Separation and Determination of Chemopreventive Phytochemicals of Flavonoids from Plants. <i>Molecules</i> , 2021 , 26,	4.8	1
354	The study of the molecular mechanism of <i>Lactobacillus paracasei</i> clumping via divalent metal ions by electrophoretic separation. <i>Journal of Chromatography A</i> , 2021 , 1652, 462127	4.5	0
353	How much separation sciences fit in the green chemistry canoe?. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021 , 30, 100495	7.9	7
352	Influence of culture medium on bacterial molecular profiles in different ionization modes with the use of computational methods. <i>International Journal of Mass Spectrometry</i> , 2021 , 466, 116614	1.9	0
351	Perspectives and recent advances in quantitative structure-retention relationships for high performance liquid chromatography. How far are we?. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 141, 116294	14.6	5
350	Development of controlled film of polypyrrole for solid-phase microextraction fiber by electropolymerization. <i>Talanta</i> , 2021 , 232, 122394	6.2	2
349	Determination of nano and microplastic particles in hypersaline lakes by multiple methods. <i>Environmental Monitoring and Assessment</i> , 2021 , 193, 668	3.1	3
348	Micro-Chamber/Thermal Extractor (μ -CTE) as a new sampling system for VOCs emitted by feces. <i>Scientific Reports</i> , 2021 , 11, 18780	4.9	
347	Comparison Study of Cytotoxicity of Bare and Functionalized Zinc Oxide Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1

346	Culturomics Approach to Identify Diabetic Foot Infection Bacteria. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
345	Surface properties of stationary phases with embedded polar group based on secondary interaction, zeta potential measurement and linear solvation energy relationship studies. <i>Journal of Chromatography A</i> , 2021 , 1637, 461853	4.5	1
344	Evaluation of salivary VOC profile composition directed towards oral cancer and oral lesion assessment. <i>Clinical Oral Investigations</i> , 2021 , 25, 4415-4430	4.2	1
343	The Study of Zinc Ions Binding to β - β and β -Casein. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
342	Application of hydrophilic interaction liquid chromatography coupled with tandem mass spectrometry for the retention and sensitivity studies of antisense oligonucleotides. <i>Journal of Chromatography A</i> , 2020 , 1622, 461100	4.5	7
341	Qualitative analysis of enzymatic and chemical depolymerized low molecular weight heparins by UHPLC coupled with electrospray ionization quadrupole time-of-flight-mass spectrometry. <i>Journal of Separation Science</i> , 2020 , 43, 3036-3044	3.4	1
340	The Influence of Plant Material Enzymatic Hydrolysis and Extraction Conditions on the Polyphenolic Profiles and Antioxidant Activity of Extracts: A Green and Efficient Approach. <i>Molecules</i> , 2020 , 25,	4.8	10
339	Determination and Identification of Antibiotic Drugs and Bacterial Strains in Biological Samples. <i>Molecules</i> , 2020 , 25,	4.8	6
338	The Influence of Different Forms of Silver on Selected Pathogenic Bacteria. <i>Materials</i> , 2020 , 13,	3.5	2
337	Retardation of some drugs in thin-layer chromatographic systems with impregnated silica gel plates with hen's egg white and bovine serum albumin. <i>Journal of Chromatography A</i> , 2020 , 1625, 461277	4.5	3
336	Mechanistic Chromatographic Column Characterization for the Analysis of Flavonoids Using Quantitative Structure-Retention Relationships Based on Density Functional Theory. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
335	Interactions of Whey Proteins with Metal Ions. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	26
334	Multi-instrumental approach to unravel molecular mechanisms of natural bioactive compounds: Case studies for flavonoids. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 126, 115865	14.6	3
333	"Outsourcing" Diatoms in Fabrication of Metal-Doped 3D Biosilica. <i>Materials</i> , 2020 , 13,	3.5	4
332	Molecular parameters of low methoxylated pectin affected by gelation with copper and cadmium cations. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2020 , 21, 100211	3.4	5
331	Study of chromatographic behavior of antibiotic drugs and their metabolites based on quantitative structure-retention relationships with the use of HPLC-DAD. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 184, 113187	3.5	3
330	Application of dendrimer-functionalized ion-exchange stationary phases for the retention and separation of low-molecular-weight heparins. <i>Analytical Methods</i> , 2020 , 12, 977-987	3.2	1
329	A study of zinc ions immobilization by β -lactoglobulin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 591, 124443	5.1	6

328	Carbon dots as rapid assays for detection of mercury(II) ions based on turn-off mode and breast milk. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 236, 118320	4.4	12
327	Use of <i>Lactobacillus paracasei</i> strain for zearalenone binding and metabolization. <i>Toxicon</i> , 2020 , 181, 9-18	2.8	15
326	Silver Nanoparticles. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2020 , 432-449	0.4	0
325	Analytical approaches and preparation of biological, food and environmental samples for analyses of zearalenone and its metabolites. <i>Reviews in Analytical Chemistry</i> , 2020 , 39, 157-167	2.3	1
324	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
323	Smart Surface with Ferromagnetic Properties for Eco- and Bioanalytics. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2020 , 195-205	0.3	
322	Distribution of saponin in morphological <i>Medicago sativa</i> L. parts: Comparison of various extraction techniques. <i>Journal of Separation Science</i> , 2020 , 43, 671-680	3.4	4
321	Synthesis and physicochemical properties of hierarchical zeolites containing ruthenium oxide nanoparticles and their application in the reaction of dihydroxyacetone isomerization. <i>Microporous and Mesoporous Materials</i> , 2020 , 293, 109787	5.3	3
320	Inorganic oxide and chemically bonded sorbents 2020 , 37-54		1
319	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
318	Zinc Oxide Nanocomposites-Extracellular Synthesis, Physicochemical Characterization and Antibacterial Potential. <i>Materials</i> , 2020 , 13,	3.5	11
317	A Review of GC-Based Analysis of Non-Invasive Biomarkers of Colorectal Cancer and Related Pathways. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	5
316	Lipidomic analysis of lactic acid bacteria strains by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Journal of Dairy Science</i> , 2020 , 103, 11062-11078	4	4
315	New Methodology for the Identification of Metabolites of Saccharides and Cyclitols by Off-Line EC-MALDI-TOF-MS. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
314	Synthesis and Antibacterial Activity of (AgCl, Ag)NPs/Diatomite Hybrid Composite. <i>Materials</i> , 2020 , 13,	3.5	8
313	Supported ionic liquid adsorbent and ELSD-PLC method as an alternative procedure for exogenous fatty acid analysis in breast milk. <i>Microchemical Journal</i> , 2020 , 157, 104961	4.8	2
312	Synthesis of Magnetic Molecularly Imprinted Polymer Sorbents for Isolation of Parabens from Breast Milk. <i>Materials</i> , 2020 , 13,	3.5	3
311	Study on Molecular Profiles of Strains: Spectrometric Approach. <i>Molecules</i> , 2020 , 25,	4.8	2

310	Problems with identifying and distinguishing salivary streptococci: a multi-instrumental approach. <i>Future Microbiology</i> , 2020 , 15, 1157-1171	2.9	1
309	Silver nanoparticles: Synthesis, investigation techniques, and properties. <i>Advances in Colloid and Interface Science</i> , 2020 , 284, 102246	14.3	50
308	Isolation and Self-Association Studies of Beta-Lactoglobulin. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
307	Determination of Neonicotinoids in Honey Samples Originated from Poland and Other World Countries. <i>Molecules</i> , 2020 , 25,	4.8	7
306	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	5.2	12
305	Quantitative structure - retention relationships of amino acids on the amino acid- and peptide-silica stationary phases for liquid chromatography. <i>Journal of Chromatography A</i> , 2020 , 1609, 460514	4.5	6
304	Attachment of hybridizable oligonucleotides to a silica support and its application for selective extraction of unmodified and antisense oligonucleotides from serum samples.. <i>RSC Advances</i> , 2020 , 10, 16221-16230	3.7	3
303	Comparison of DAD and FLD Detection for Identification of Selected Bisphenols in Human Breast Milk Samples and Their Quantitative Analysis by LC-MS/MS. <i>Journal of AOAC INTERNATIONAL</i> , 2020 , 103, 1029-1042	1.7	4
302	Diatoms Biomass as a Joint Source of Biosilica and Carbon for Lithium-Ion Battery Anodes. <i>Materials</i> , 2020 , 13,	3.5	2
301	QuEChERS extraction coupled to GC-MS for a fast determination of polychlorinated biphenyls in breast milk from Polish women. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 30988-30999	5.1	12
300	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
299	A study of zearalenone biosorption and metabolisation by prokaryotic and eukaryotic cells. <i>Toxicon</i> , 2019 , 169, 81-90	2.8	11
298	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
297	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
296	Structural, Mineral and Elemental Composition Features of Iron-Rich Saponite Clay from Tashkiv Deposit (Ukraine). <i>Colloids and Interfaces</i> , 2019 , 3, 10	3	5
295	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
294	Cadmium-affected synthesis of exopolysaccharides by rhizosphere bacteria. <i>Journal of Applied Microbiology</i> , 2019 , 127, 713-723	4.7	11
293	A new approach to preparation of antisense oligonucleotide samples with microextraction by packed sorbent. <i>Analyst, The</i> , 2019 , 144, 4622-4632	5	3

292	Profiling of VOCs released from different salivary bacteria treated with non-lethal concentrations of silver nitrate. <i>Analytical Biochemistry</i> , 2019 , 578, 36-44	3.1	9
291	Preparation of AgNPs/saponite nanocomposites without reduction agents and study of its antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 180, 457-465	6	10
290	Towards A New Approach for the Description of Cyclo?2,4-Dihydroxybenzoate, A Substance Which Effectively Mimics Zearalenone in Imprinted Polymers Designed for Analyzing Selected Mycotoxins in Urine. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	1
289	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
288	Simultaneous Determination of Cyclitols and Sugars Following a Comprehensive Investigation of 40 Plants. <i>Food Analytical Methods</i> , 2019 , 12, 1466-1478	3.4	16
287	Zearalenone and its metabolites: Effect on human health, metabolism and neutralisation methods. <i>Toxicon</i> , 2019 , 162, 46-56	2.8	92
286	Complementarity of Matrix- and Nanostructure-Assisted Laser Desorption/Ionization Approaches. <i>Nanomaterials</i> , 2019 , 9,	5.4	16
285	Multi-Parametric Characterization of Amino Acid- and Peptide-Silica Stationary Phases. <i>Chromatographia</i> , 2019 , 82, 153-166	2.1	12
284	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
283	Phytochemical analysis and biological activity of <i>Lupinus luteus</i> seeds extracts obtained by supercritical fluid extraction. <i>Phytochemistry Letters</i> , 2019 , 30, 338-348	1.9	9
282	A New Approach for Spontaneous Silver Ions Immobilization onto Casein. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	7
281	Electrochemical oxidation of selected immunosuppressants and identification of their oxidation products by means of liquid chromatography and tandem mass spectrometry (EC-HPLC-MS/MS). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 176, 112799	3.5	5
280	Investigation of Zearalenone Adsorption and Biotransformation by Microorganisms Cultured under Cellular Stress Conditions. <i>Toxins</i> , 2019 , 11,	4.9	15
279	Rare earth elements in fine fraction (. <i>Chemosphere</i> , 2019 , 237, 124442	8.4	3
278	Supercritical fluid extraction in isolation of cyclitols and sugars from chamomile flowers. <i>Journal of Separation Science</i> , 2019 , 42, 3243	3.4	14
277	Determination of Selected Isoquinoline Alkaloids from Extracts by HPLC-DAD and Comparison of Their Cytotoxic Activity. <i>Toxins</i> , 2019 , 11,	4.9	20
276	Temporal influence of different antibiotics onto the inhibition of <i>Escherichia coli</i> bacterium grown in different media. <i>Analytical Biochemistry</i> , 2019 , 585, 113407	3.1	8
275	Recent Developments in the Separation of Low Molecular Weight Heparin Anticoagulants. <i>Current Medicinal Chemistry</i> , 2019 , 26, 166-176	4.3	5

274	"Features of infected versus uninfected chemical profiles released from human exudates ". <i>Studia Universitatis Babes-Bolyai Chemia</i> , 2019 , 64, 207-216	1	4
273	Identification of in vitro and in vivo potential metabolites of novel cardiovascular and adrenolytic drugs by liquid chromatography-mass spectrometry with the aid of experimental design. <i>Nova Biotechnologica Et Chimica</i> , 2019 , 18, 179-194	0.4	1
272	Correlation Study of Honey Regarding their Physicochemical Properties and Sugars and Cyclitols Content. <i>Molecules</i> , 2019 , 25,	4.8	30
271	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
270	Monitoring of Bactericidal Effects of Silver Nanoparticles Based on Protein Signatures and VOC Emissions from and Selected Salivary Bacteria. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	6
269	Optimization and upscaling of the supercritical carbon dioxide extraction of <i>Solidago gigantea</i> Ait. of an industrial relevance. <i>Industrial Crops and Products</i> , 2019 , 142, 111787	5.9	2
268	Extraction and Determination of Polar Bioactive Compounds from Alfalfa (L.) Using Supercritical Techniques. <i>Molecules</i> , 2019 , 24,	4.8	13
267	GC-MS application in determination of volatile profiles emitted by infected and uninfected human tissue. <i>Journal of Breath Research</i> , 2019 , 13, 026003	3.1	15
266	Column Characterization and Selection Systems in Reversed-Phase High-Performance Liquid Chromatography. <i>Chemical Reviews</i> , 2019 , 119, 3674-3729	68.1	91
265	Flavonoids enantiomer distribution in different parts of goldenrod (<i>Solidago virgaurea</i> L.), lucerne (<i>Medicago sativa</i> L.) and phacelia (<i>Phacelia tanacetifolia</i> Benth.). <i>Chirality</i> , 2019 , 31, 138-149	2.1	7
264	High performance liquid chromatography as a molecular probe in quantitative structure-retention relationships studies of selected lipid classes on polar-embedded stationary phases. <i>Journal of Chromatography A</i> , 2019 , 1585, 105-112	4.5	7
263	Electrophoretic Determination of <i>Lactococcus lactis</i> Modified by Zinc Ions. <i>Chromatographia</i> , 2019 , 82, 347-355	2.1	6
262	Pressurized liquid extraction of cyclitols and sugars: optimization of extraction parameters and selective separation. <i>Journal of Separation Science</i> , 2019 , 42, 1265-1272	3.4	17
261	Supercritical carbon dioxide extraction of <i>Solidago gigantea</i> Ait.: Optimization at quarter-technical scale and scale up the process to half-technical plant. <i>Industrial Crops and Products</i> , 2019 , 130, 316-324	5.9	11
260	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
259	Isolation and determination of saponin hydrolysis products from <i>Medicago sativa</i> using supercritical fluid extraction, solid-phase extraction and liquid chromatography with evaporative light scattering detection. <i>Journal of Separation Science</i> , 2019 , 42, 465-474	3.4	9
258	Modern Analytical Methods of Speciation and Determination of Trace Elements in Inorganic, Organic, and Biological Samples 2018 , 33-60		0
257	Analysis of microRNA and modified oligonucleotides with the use of ultra high performance liquid chromatography coupled with mass spectrometry. <i>Journal of Chromatography A</i> , 2018 , 1554, 71-80	4.5	9

256	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
255	Complex investigation of extraction techniques applied for cyclitols and sugars isolation from different species of <i>Solidago</i> genus. <i>Electrophoresis</i> , 2018 , 39, 1966	3.6	16
254	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	3.2	22
253	Application of novel hierarchical niobium-containing zeolites for synthesis of alkyl lactate and lactic acid. <i>Journal of Colloid and Interface Science</i> , 2018 , 516, 379-383	9.3	18
252	Isolation, Separation, and Preconcentration of Biologically Active Compounds from Plant Matrices by Extraction Techniques. <i>Chromatographia</i> , 2018 , 81, 189-202	2.1	36
251	Determination of sugars and cyclitols isolated from various morphological parts of <i>Medicago sativa</i> L. <i>Journal of Separation Science</i> , 2018 , 41, 1118-1128	3.4	17
250	Physicochemical study of natural fractionated biocolloid by asymmetric flow field-flow fractionation in tandem with various complementary techniques using biologically synthesized silver nanocomposites. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 2837-2847	4.4	9
249	Mathematical modeling of full feed depletion split-flow lateral-transport thin self-adjustable channels (FFD-SPLITT-SA). <i>Journal of Chromatography A</i> , 2018 , 1552, 67-72	4.5	3
248	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
247	Microbiology neutralization of zearalenone using <i>Lactococcus lactis</i> and <i>Bifidobacterium</i> sp. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 943-952	4.4	40
246	Catalytic Isomerization of Dihydroxyacetone to Lactic Acid and Alkyl Lactates over Hierarchical Zeolites Containing Tin. <i>Catalysts</i> , 2018 , 8, 31	4	17
245	Efficiency of microbially assisted phytoremediation of heavy-metal contaminated soils. <i>Environmental Reviews</i> , 2018 , 26, 316-332	4.5	31
244	Electrochemical simulation of three novel cardiovascular drugs phase I metabolism and development of a new method for determination of them by liquid chromatography coupled with tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1093-1094, 100-112	3.2	9
243	New approach for fast identification of cyclitols by MALDI-TOF mass spectrometry. <i>Phytochemical Analysis</i> , 2018 , 29, 528-537	3.4	10
242	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	4.9	17
241	The determination of zearalenone and its major metabolites in endometrial cancer tissues. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 1571-1582	4.4	18
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