

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	Identification and quantification of cyclitols and sugars isolated from different morphological parts of <i>Raphanus sativus</i> L. <i>Natural Product Research</i> , 2023, 37, 107-112.	1.8	1
2	The potential application of supercritical CO ₂ in microbial inactivation of food raw materials and products. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 6535-6548.	10.3	11
3	New approach in determination of urinary diagnostic markers for prostate cancer by MALDI-TOF/MS. <i>Talanta</i> , 2022, 236, 122843.	5.5	8
4	Identification, Structure and Characterization of <i>Bacillus tequilensis</i> Biofilm with the Use of Electrophoresis and Complementary Approaches. <i>Journal of Clinical Medicine</i> , 2022, 11, 722.	2.4	5
5	Determination of the pharmaceuticals nano/microplastics in aquatic systems by analytical and instrumental methods. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 93.	2.7	11
6	Solvent Influence on Zeta Potential of Stationary Phase-Mobile Phase Interface. <i>Molecules</i> , 2022, 27, 968.	3.8	22
7	Synthesis and physicochemical characterization of zinc-lactoferrin complexes. <i>Journal of Dairy Science</i> , 2022, 105, 1940-1958.	3.4	9
8	Modern Methods of Pre-Treatment of Plant Material for the Extraction of Bioactive Compounds. <i>Molecules</i> , 2022, 27, 730.	3.8	41
9	Isolation of omega-3 polyunsaturated fatty acids (eicosapentaenoic acid - EPA and docosahexaenoic) $Tj ETQq1 1 0.784314 rgBT /Ove$	4.6	12
10	Capillary Zone Electrophoresis in Tandem with Flow Cytometry in Viability Study of Various ATCC Bacterial Strains under Antibiotic Treatment. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1833.	2.6	2
11	Tissue sample preparations for preclinical research determined by molecular imaging mass spectrometry using matrix-assisted laser desorption/ionization. <i>Journal of Separation Science</i> , 2022, 45, 1345-1361.	2.5	3
12	Analyses of Antioxidative Properties of Selected Cyclitols and Their Mixtures with Flavanones and Glutathione. <i>Molecules</i> , 2022, 27, 158.	3.8	5
13	Dendrimer Anion-Exchange Stationary Phase for Separation of Oligonucleotides. <i>Molecules</i> , 2022, 27, 1491.	3.8	1
14	Separation Sciences in Poland. <i>Separations</i> , 2022, 9, 50.	2.4	1
15	The Study of Protein-Cyclitol Interactions. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2940.	4.1	5
16	Development of the Validated Stability-Indicating Method for the Determination of Vortioxetine in Bulk and Pharmaceutical Formulation by HPLC-DAD, Stress Degradation Kinetics Studies and Detection of Degradation Products by LC-ESI-QTOF-MS. <i>Molecules</i> , 2022, 27, 1883.	3.8	2
17	Citric Acid as a Potential Prostate Cancer Biomarker Determined in Various Biological Samples. <i>Metabolites</i> , 2022, 12, 268.	2.9	7
18	The Effect of Bio-Synthesized Silver Nanoparticles on Germination, Early Seedling Development, and Metabolome of Wheat (<i>Triticum aestivum</i> L.). <i>Molecules</i> , 2022, 27, 2303.	3.8	15

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19	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.	2.7	12
20	Investigation of the mechanism of zearalenone metabolization in different systems: Electrochemical and theoretical approaches. <i>Toxicon</i> , 2022, 210, 19-24.	1.6	3
21	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, 198, 113162.	2.9	1
22	Znaczenie krzemu dla wybranych gatunków roślin o znanych właściwościach cytotoksycznych. <i>Cosmos: Problems of Biological Sciences</i> , 2022, 71, 35-44.	0.1	1
23	New sources of lactic acid bacteria with potential antibacterial properties. <i>Archives of Microbiology</i> , 2022, 204, .	2.2	1
24	Lipid Constituents of Diatoms (Halamphora) as Components for Production of Lipid Nanoparticles. <i>Pharmaceutics</i> , 2022, 14, 1171.	4.5	3
25	Optimization of the packing process of microcolumns with the embedded phosphodiester stationary phases. <i>Journal of Separation Science</i> , 2022, 45, 3310-3318.	2.5	3
26	Diatom biosilica: Source, physical-chemical characterization, modification, and application. <i>Journal of Separation Science</i> , 2022, 45, 3362-3376.	2.5	6
27	Isoquinoline Alkaloid Contents in <i>Macleaya cordata</i> Extracts and Their Acetylcholinesterase and Butyrylcholinesterase Inhibition. <i>Molecules</i> , 2022, 27, 3606.	3.8	7
28	<i>Lactobacillus paracasei</i> as a Modulator of Fatty Acid Compositions and Vitamin D3 in Cream. <i>Foods</i> , 2022, 11, 1659.	4.3	2
29	Modern Approaches for Microorganisms' Identification. , 2022, , 833-861.		0
30	Spectroscopic Techniques in Research of Biocolloids. , 2022, , 805-832.		0
31	Bioanalytics in In Vitro and In Vivo Transformation of Biologically Active Compounds for the Needs of Biomedical Diagnostics. , 2022, , 3-25.		0
32	Volatile Organic Compounds Emitted by Biological Matrices. , 2022, , 277-293.		0
33	Selected Medicinal Plants as a Source of Biologically Active Compounds. , 2022, , 485-505.		0
34	Analytics of Antisense Oligonucleotides. , 2022, , 91-112.		0
35	Synthesis, Physicochemical Characterization, and Antibacterial Performance of Silver-Lactoferrin Complexes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7112.	4.1	7
36	The influence of zinc ions concentration on β -lactoglobulin structure – physicochemical properties of Zn- β -lactoglobulin complexes. <i>Journal of Molecular Structure</i> , 2022, 1268, 133745.	3.6	2

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37	Analysis of Natural Dyes from Historical Objects by High Performance Liquid Chromatography and Electromigration Techniques. <i>Critical Reviews in Analytical Chemistry</i> , 2021, 51, 1-34.	3.5	7
38	Combination of electrochemical unit and ESI-MS in fragmentation of flavonoids. <i>Phytochemical Analysis</i> , 2021, 32, 601-620.	2.4	3
39	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.	6.1	16
40	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.	3.5	12
41	Evolution and Evaluation of GC Columns. <i>Critical Reviews in Analytical Chemistry</i> , 2021, 51, 150-173.	3.5	12
42	Silver Nanoparticles. , 2021, , 440-457.		0
43	Cyclitols“ Determination in Food and Bioactivity in the Human Organism. <i>Food Bioactive Ingredients</i> , 2021, , 163-191.	0.4	0
44	Determination of Cytotoxic Activity of Selected Isoquinoline Alkaloids and Plant Extracts Obtained from Various Parts of <i>Mahonia aquifolium</i> Collected in Various Vegetation Seasons. <i>Molecules</i> , 2021, 26, 816.	3.8	6
45	Needle Trap Device-GC-MS for Characterization of Lung Diseases Based on Breath VOC Profiles. <i>Molecules</i> , 2021, 26, 1789.	3.8	23
46	Study on carbapenemase-producing bacteria by matrix-assisted laser desorption/ionization approach. <i>PLoS ONE</i> , 2021, 16, e0247369.	2.5	7
47	Determination of Cytotoxic Activity of <i>Sanguinaria canadensis</i> Extracts against Human Melanoma Cells and Comparison of Their Cytotoxicity with Cytotoxicity of Some Anticancer Drugs. <i>Molecules</i> , 2021, 26, 1738.	3.8	7
48	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, 4696.	4.1	8
49	Lipidomics as a Diagnostic Tool for Prostate Cancer. <i>Cancers</i> , 2021, 13, 2000.	3.7	25
50	Promising Green Technology in Obtaining Functional Plant Preparations: Combined Enzyme-Assisted Supercritical Fluid Extraction of Flavonoids Isolation from <i>Medicago Sativa</i> Leaves. <i>Materials</i> , 2021, 14, 2724.	2.9	11
51	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, 2994.	3.8	4
52	The Study on Molecular Profile Changes of Pathogens via Zinc Nanocomposites Immobilization Approach. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5395.	4.1	6
53	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.	11.4	21
54	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, 6734.	4.1	19

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55	Linear solvation energy relationships in the determination of phospholipids by supercritical fluid chromatography. <i>Journal of Supercritical Fluids</i> , 2021, 173, 105206.	3.2	7
56	Separation and Determination of Chemopreventive Phytochemicals of Flavonoids from Brassicaceae Plants. <i>Molecules</i> , 2021, 26, 4734.	3.8	11
57	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.	3.7	7
58	How much separation sciences fit in the green chemistry canoe?. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 30, 100495.	5.9	11
59	Molecularly Imprinted Polymers as Solid-Phase Microextraction Fibers for the Isolation of Selected Antibiotics from Human Plasma. <i>Materials</i> , 2021, 14, 4886.	2.9	6
60	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.	1.5	3
61	Identification of Bacteria Associated with Post-Operative Wounds of Patients with the Use of Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry Approach. <i>Molecules</i> , 2021, 26, 5007.	3.8	3
62	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.	11.4	14
63	Development of controlled film of polypyrrole for solid-phase microextraction fiber by electropolymerization. <i>Talanta</i> , 2021, 232, 122394.	5.5	7
64	Determination of nano and microplastic particles in hypersaline lakes by multiple methods. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 668.	2.7	11
65	Micro-Chamber/Thermal Extractor ($\hat{\mu}$ -CTE) as a new sampling system for VOCs emitted by feces. <i>Scientific Reports</i> , 2021, 11, 18780.	3.3	3
66	Comparison Study of Cytotoxicity of Bare and Functionalized Zinc Oxide Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9529.	4.1	9
67	Culturomics Approach to Identify Diabetic Foot Infection Bacteria. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9574.	4.1	12
68	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.	3.7	5
69	Evaluation of salivary VOC profile composition directed towards oral cancer and oral lesion assessment. <i>Clinical Oral Investigations</i> , 2021, 25, 4415-4430.	3.0	11
70	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
71	CE- $\hat{\mu}$ DAD- $\hat{\mu}$ MS/MS in the simultaneous determination and identification of selected antibiotic drugs and their metabolites in human urine samples. <i>Electrophoresis</i> , 2021, , .	2.4	4
72	Separation and Quantification of Selected Sapogenins Extracted from Nettle, White Dead-Nettle, Common Soapwort and Washnut. <i>Molecules</i> , 2021, 26, 7705.	3.8	2

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73	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
74	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.	3.7	8
75	Distribution of saponins in morphological <i>Medicago sativa</i> L. parts: Comparison of various extraction techniques. <i>Journal of Separation Science</i> , 2020, 43, 671-680.	2.5	5
76	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.	4.4	6
77	Inorganic oxide and chemically bonded sorbents. , 2020, , 37-54.		1
78	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
79	Correlation Study of Honey Regarding their Physicochemical Properties and Sugars and Cyclitols Content. <i>Molecules</i> , 2020, 25, 34.	3.8	45
80	Zinc Oxide Nanocomposites – Extracellular Synthesis, Physicochemical Characterization and Antibacterial Potential. <i>Materials</i> , 2020, 13, 4347.	2.9	25
81	A Review of GC-Based Analysis of Non-Invasive Biomarkers of Colorectal Cancer and Related Pathways. <i>Journal of Clinical Medicine</i> , 2020, 9, 3191.	2.4	15
82	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.	3.4	12
83	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, 5265.	4.1	4
84	Synthesis and Antibacterial Activity of (AgCl, Ag)NPs/Diatomite Hybrid Composite. <i>Materials</i> , 2020, 13, 3409.	2.9	21
85	Supported ionic liquid adsorbent and ELSD – HPLC method as an alternative procedure for exogenous fatty acid analysis in breast milk. <i>Microchemical Journal</i> , 2020, 157, 104961.	4.5	5
86	Synthesis of Magnetic Molecularly Imprinted Polymer Sorbents for Isolation of Parabens from Breast Milk. <i>Materials</i> , 2020, 13, 4328.	2.9	7
87	Study on Molecular Profiles of <i>Staphylococcus aureus</i> Strains: Spectrometric Approach. <i>Molecules</i> , 2020, 25, 4894.	3.8	11
88	Problems with identifying and distinguishing salivary streptococci: a multi-instrumental approach. <i>Future Microbiology</i> , 2020, 15, 1157-1171.	2.0	7
89	Silver nanoparticles: Synthesis, investigation techniques, and properties. <i>Advances in Colloid and Interface Science</i> , 2020, 284, 102246.	14.7	147
90	Isolation and Self-Association Studies of Beta-Lactoglobulin. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9711.	4.1	11

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91	Determination of Neonicotinoids in Honey Samples Originated from Poland and Other World Countries. <i>Molecules</i> , 2020, 25, 5817.	3.8	11
92	The Study of Zinc Ions Binding to $\hat{1}^{\pm}S1$ -, $\hat{1}^2$ - and $\hat{1}^{\circ}$ -Casein. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8096.	4.1	9
93	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.	3.7	19
94	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.	2.5	1
95	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, 2074.	3.8	24
96	Determination and Identification of Antibiotic Drugs and Bacterial Strains in Biological Samples. <i>Molecules</i> , 2020, 25, 2556.	3.8	23
97	The Influence of Different Forms of Silver on Selected Pathogenic Bacteria. <i>Materials</i> , 2020, 13, 2403.	2.9	6
98	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.	3.7	7
99	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, 2053.	4.1	15
100	Interactions of Whey Proteins with Metal Ions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2156.	4.1	66
101	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.	11.4	6
102	Outsourcing Diatoms in Fabrication of Metal-Doped 3D Biosilica. <i>Materials</i> , 2020, 13, 2576.	2.9	13
103	Molecular parameters of low methoxylated pectin affected by gelation with copper and cadmium cations. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2020, 21, 100211.	2.7	6
104	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.	2.8	8
105	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.	2.7	1
106	A study of zinc ions immobilization by $\hat{1}^2$ -lactoglobulin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 591, 124443.	4.7	16
107	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.	3.9	25
108	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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109	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.	3.6	6
110	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.	1.5	14
111	Diatoms Biomass as a Joint Source of Biosilica and Carbon for Lithium-Ion Battery Anodes. <i>Materials</i> , 2020, 13, 1673.	2.9	18
112	Effect of <i>Lugus</i> sp. feeding and a Saponin application on volatiles released by quinoa. <i>Pakistan Journal of Botany</i> , 2020, 52, .	0.5	1
113	Smart Surface with Ferromagnetic Properties for Eco- and Bioanalytics. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2020, , 195-205.	0.2	0
114	Silver Nanoparticles. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2020, , 432-449.	0.4	1
115	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.	3.2	6
116	A New Approach for Spontaneous Silver Ions Immobilization onto Casein. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3864.	4.1	20
117	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.	2.8	9
118	Investigation of Zearalenone Adsorption and Biotransformation by Microorganisms Cultured under Cellular Stress Conditions. <i>Toxins</i> , 2019, 11, 463.	3.4	21
119	Rare earth elements in fine fraction ($\leq 4\mu\text{m}$) of the Vistula River sediments. <i>Chemosphere</i> , 2019, 237, 124442.	8.2	6
120	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
121	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
122	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.	2.4	11
123	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.	5.3	16
124	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
125	A study of zearalenone biosorption and metabolisation by prokaryotic and eukaryotic cells. <i>Toxicon</i> , 2019, 169, 81-90.	1.6	17
126	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

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127	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
128	Structural, Mineral and Elemental Composition Features of Iron-Rich Saponite Clay from Tashkiv Deposit (Ukraine). <i>Colloids and Interfaces</i> , 2019, 3, 10.	2.1	9
129	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
130	Cadmium-affected synthesis of exopolysaccharides by rhizosphere bacteria. <i>Journal of Applied Microbiology</i> , 2019, 127, 713-723.	3.1	16
131	A new approach to preparation of antisense oligonucleotide samples with microextraction by packed sorbent. <i>Analyst</i> , 2019, 144, 4622-4632.	3.5	7
132	Profiling of VOCs released from different salivary bacteria treated with non-lethal concentrations of silver nitrate. <i>Analytical Biochemistry</i> , 2019, 578, 36-44.	2.4	17
133	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.	5.0	18
134	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, 1588.	4.1	2
135	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
136	Simultaneous Determination of Cyclitols and Sugars Following a Comprehensive Investigation of 40 Plants. <i>Food Analytical Methods</i> , 2019, 12, 1466-1478.	2.6	26
137	Zearalenone and its metabolites: Effect on human health, metabolism and neutralisation methods. <i>Toxicol</i> , 2019, 162, 46-56.	1.6	182
138	Complementarity of Matrix- and Nanostructure-Assisted Laser Desorption/Ionization Approaches. <i>Nanomaterials</i> , 2019, 9, 260.	4.1	28
139	Multi-Parametric Characterization of Amino Acid- and Peptide-Silica Stationary Phases. <i>Chromatographia</i> , 2019, 82, 153-166.	1.3	16
140	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
141	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.	1.2	18
142	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
143	Monitoring of Bactericidal Effects of Silver Nanoparticles Based on Protein Signatures and VOC Emissions from <i>Escherichia coli</i> and Selected Salivary Bacteria. <i>Journal of Clinical Medicine</i> , 2019, 8, 2024.	2.4	14
144	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.	5.2	2

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145	Extraction and Determination of Polar Bioactive Compounds from Alfalfa (<i>Medicago sativa</i> L.) Using Supercritical Techniques. <i>Molecules</i> , 2019, 24, 4608.	3.8	24
146	GC-MS application in determination of volatile profiles emitted by infected and uninfected human tissue. <i>Journal of Breath Research</i> , 2019, 13, 026003.	3.0	19
147	Column Characterization and Selection Systems in Reversed-Phase High-Performance Liquid Chromatography. <i>Chemical Reviews</i> , 2019, 119, 3674-3729.	47.7	191
148	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>)	0.0	0
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