Pawel Pomastowski

List of Publications by Year
in descending order

167	7,432	87401	71088
papers	citations	40 h-index	80 g-index

177	177	177	9729
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New approach in determination of urinary diagnostic markers for prostate cancer by MALDI-TOF/MS. Talanta, 2022, 236, 122843.	2.9	8
2	Identification, Structure and Characterization of Bacillus tequilensis Biofilm with the Use of Electrophoresis and Complementary Approaches. Journal of Clinical Medicine, 2022, 11, 722.	1.0	5
3	Synthesis and physicochemical characterization of zinc-lactoferrin complexes. Journal of Dairy Science, 2022, 105, 1940-1958.	1.4	9
4	Modern Methods of Pre-Treatment of Plant Material for the Extraction of Bioactive Compounds. Molecules, 2022, 27, 730.	1.7	41
5	Capillary Zone Electrophoresis in Tandem with Flow Cytometry in Viability Study of Various ATCC Bacterial Strains under Antibiotic Treatment. International Journal of Environmental Research and Public Health, 2022, 19, 1833.	1.2	2
6	Separation Sciences in Poland. Separations, 2022, 9, 50.	1.1	1
7	The Study of Proteinâ€“Cyclitol Interactions. International Journal of Molecular Sciences, 2022, 23, 2940.	1.8	5
8	Citric Acid as a Potential Prostate Cancer Biomarker Determined in Various Biological Samples. Metabolites, 2022, 12, 268.	1.3	7
9	The Effect of Bio-Synthesized Silver Nanoparticles on Germination, Early Seedling Development, and Metabolome of Wheat (Triticum aestivum L.). Molecules, 2022, 27, 2303.	1.7	15
10	Investigation of the mechanism of zearalenone metabolization in different systems: Electrochemical and theoretical approaches. Toxicon, 2022, 210, 19-24.	0.8	3
11	Znaczenie krzemu dla wybranych gatunkÃ³w roÅ›lin o znanych wÅ‚aÅ›ciwoÅ›ciach cytotoksycznych. Cosmos: Problems of Biological Sciences, 2022, 71, 35-44.	0.0	1
12	New sources of lactic acid bacteria with potential antibacterial properties. Archives of Microbiology, 2022, 204, .	1.0	1
13	Lipid Constituents of Diatoms (Halamphora) as Components for Production of Lipid Nanoparticles. Pharmaceutics, 2022, 14, 1171.	2.0	3
14	Lacticaseibacillus paracasei as a Modulator of Fatty Acid Compositions and Vitamin D3 in Cream. Foods, 2022, 11, 1659.	1.9	2
15	Nanostructured Layer of Silver for Detection of Small Biomolecules in Surface-Assisted Laser Desorption Ionization Mass Spectrometry. Materials, 2022, 15, 4076.	1.3	3
16	Bioanalytics in In Vitro and In Vivo Transformation of Biologically Active Compounds for the Needs of Biomedical Diagnostics. , 2022, , 3-25.		0
17	Volatile Organic Compounds Emitted by Biological Matrices. , 2022, , 277-293.		0
18	Selected Medicinal Plants as a Source of Biologically Active Compounds. , 2022, , 485-505.		0

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19	Synthesis, Physicochemical Characterization, and Antibacterial Performance of Silverâ€"Lactoferrin Complexes. International Journal of Molecular Sciences, 2022, 23, 7112.	1.8	7
20	Silver Nanostructured Substrates in LDI-MS of Low Molecular Weight Compounds. Materials, 2022, 15, 4660.	1.3	2
21	Combination of electrochemical unit and ESIâ€MS in fragmentation of flavonoids. Phytochemical Analysis, 2021, 32, 601-620.	1.2	3
22	Interactions of zinc aqua complexes with ovalbumin at the forefront of the Zn2+/ZnO-OVO hybrid complex formation mechanism. Applied Surface Science, 2021, 542, 148641.	3.1	16
23	Silver Nanoparticles. , 2021, , 440-457.		0
24	CyclitolsÂâ€“ Determination in Food and Bioactivity in the Human Organism. Food Bioactive Ingredients, 2021, , 163-191.	0.3	0
25	Needle Trap Device-GC-MS for Characterization of Lung Diseases Based on Breath VOC Profiles. Molecules, 2021, 26, 1789.	1.7	23
26	Study on carbapenemase-producing bacteria by matrix-assisted laser desorption/ionization approach. PLoS ONE, 2021, 16, e0247369.	1.1	7
27	Metabolic Profiling of VOCs Emitted by Bacteria Isolated from Pressure Ulcers and Treated with Different Concentrations of Bio-AgNPs. International Journal of Molecular Sciences, 2021, 22, 4696.	1.8	8
28	Lipidomics as a Diagnostic Tool for Prostate Cancer. Cancers, 2021, 13, 2000.	1.7	25
29	Promising Green Technology in Obtaining Functional Plant Preparations: Combined Enzyme-Assisted Supercritical Fluid Extraction of Flavonoids Isolation from Medicago Sativa Leaves. Materials, 2021, 14, 2724.	1.3	11
30	Comparative Studies of Selected Criteria Enabling Optimization of the Extraction of Polar Biologically Active Compounds from Alfalfa with Supercritical Carbon Dioxide. Molecules, 2021, 26, 2994.	1.7	4
31	The Study on Molecular Profile Changes of Pathogens via Zinc Nanocomposites Immobilization Approach. International Journal of Molecular Sciences, 2021, 22, 5395.	1.8	6
32	A new approach to identifying pathogens, with particular regard to viruses, based on capillary electrophoresis and other analytical techniques. TrAC - Trends in Analytical Chemistry, 2021, 139, 116250.	5.8	21
33	The study of the molecular mechanism of Lactobacillus paracasei clumping via divalent metal ions by electrophoretic separation. Journal of Chromatography A, 2021, 1652, 462127.	1.8	7
34	Molecularly Imprinted Polymers as Solid-Phase Microextraction Fibers for the Isolation of Selected Antibiotics from Human Plasma. Materials, 2021, 14, 4886.	1.3	6
35	Influence of culture medium on bacterial molecular profiles in different ionization modes with the use of computational methods. International Journal of Mass Spectrometry, 2021, 466, 116614.	0.7	3
36	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. Molecules, 2021, 26, 5007.	1.7	3

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37	Perspectives and recent advances in quantitative structure-retention relationships for high performance liquid chromatography. How far are we?. TrAC - Trends in Analytical Chemistry, 2021, 141, 116294.	5.8	14
38	Micro-Chamber/Thermal Extractor (Âµ-CTE) as a new sampling system for VOCs emitted by feces. Scientific Reports, 2021, 11, 18780.	1.6	3
39	Comparison Study of Cytotoxicity of Bare and Functionalized Zinc Oxide Nanoparticles. International Journal of Molecular Sciences, 2021, 22, 9529.	1.8	9
40	Culturomics Approach to Identify Diabetic Foot Infection Bacteria. International Journal of Molecular Sciences, 2021, 22, 9574.	1.8	12
41	Evaluation of salivary VOC profile composition directed towards oral cancer and oral lesion assessment. Clinical Oral Investigations, 2021, 25, 4415-4430.	1.4	11
42	Volatile Organic Compounds in Exhaled Breath as Fingerprints of Lung Cancer, Asthma and COPD. Journal of Clinical Medicine, 2021, 10, 32.	1.0	79
43	CEâ€ÐADâ€MS/MS in the simultaneous determination and identification of selected antibiotic drugs and their metabolites in human urine samples. Electrophoresis, 2021, , .	1.3	4
44	Quantitative structure â€“ retention relationships of amino acids on the amino acid- and peptide-silica stationary phases for liquid chromatography. Journal of Chromatography A, 2020, 1609, 460514.	1.8	8
45	Distribution of sapogenins in morphological Medicago sativa L. parts: Comparison of various extraction techniques. Journal of Separation Science, 2020, 43, 671-680.	1.3	5
46	Correlation Study of Honey Regarding their Physicochemical Properties and Sugars and Cyclitols Content. Molecules, 2020, 25, 34.	1.7	45
47	Zinc Oxide Nanocompositesâ€”Extracellular Synthesis, Physicochemical Characterization and Antibacterial Potential. Materials, 2020, 13, 4347.	1.3	25
48	A Review of GC-Based Analysis of Non-Invasive Biomarkers of Colorectal Cancer and Related Pathways. Journal of Clinical Medicine, 2020, 9, 3191.	1.0	15
49	Lipidomic analysis of lactic acid bacteria strains by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Journal of Dairy Science, 2020, 103, 11062-11078.	1.4	12
50	New Methodology for the Identification of Metabolites of Saccharides and Cyclitols by Off-Line EC-MALDI-TOF-MS. International Journal of Molecular Sciences, 2020, 21, 5265.	1.8	4
51	Synthesis and Antibacterial Activity of (AgCl, Ag)NPs/Diatomite Hybrid Composite. Materials, 2020, 13, 3409.	1.3	21
52	Study on Molecular Profiles of Staphylococcus aureus Strains: Spectrometric Approach. Molecules, 2020, 25, 4894.	1.7	11
53	Problems with identifyingÂand distinguishing salivary streptococci: a multi-instrumental approach. Future Microbiology, 2020, 15, 1157-1171.	1.0	7
54	Silver nanoparticles: Synthesis, investigation techniques, and properties. Advances in Colloid and Interface Science, 2020, 284, 102246.	7.0	147

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55	Isolation and Self-Association Studies of Beta-Lactoglobulin. International Journal of Molecular Sciences, 2020, 21, 9711.	1.8	11
56	The Study of Zinc Ions Binding to Î±S1-, Î²- and Îº-Casein. International Journal of Molecular Sciences, 2020, 21, 8096.	1.8	9
57	The Influence of Plant Material Enzymatic Hydrolysis and Extraction Conditions on the Polyphenolic Profiles and Antioxidant Activity of Extracts: A Green and Efficient Approach. Molecules, 2020, 25, 2074.	1.7	24
58	Determination and Identification of Antibiotic Drugs and Bacterial Strains in Biological Samples. Molecules, 2020, 25, 2556.	1.7	23
59	The Influence of Different Forms of Silver on Selected Pathogenic Bacteria. Materials, 2020, 13, 2403.	1.3	6
60	Retardation of some drugs in thin-layer chromatographic systems with impregnated silica gel plates with hen's egg white and bovine serum albumin. Journal of Chromatography A, 2020, 1625, 461277.	1.8	7
61	Mechanistic Chromatographic Column Characterization for the Analysis of Flavonoids Using Quantitative Structure-Retention Relationships Based on Density Functional Theory. International Journal of Molecular Sciences, 2020, 21, 2053.	1.8	15
62	Interactions of Whey Proteins with Metal Ions. International Journal of Molecular Sciences, 2020, 21, 2156.	1.8	66
63	Multi-instrumental approach to unravel molecular mechanisms of natural bioactive compounds: Case studies for flavonoids. TrAC - Trends in Analytical Chemistry, 2020, 126, 115865.	5.8	6
64	Molecular parameters of low methoxylated pectin affected by gelation with copper and cadmium cations. Bioactive Carbohydrates and Dietary Fibre, 2020, 21, 100211.	1.5	6
65	A study of zinc ions immobilization by Î²-lactoglobulin. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 591, 124443.	2.3	16
66	Use of Lactobacillus paracasei strain for zearalenone binding and metabolization. Toxicon, 2020, 181, 9-18.	0.8	31
67	Silver Nanoparticles. Advances in Environmental Engineering and Green Technologies Book Series, 2020, , 432-449.	0.3	1
68	Analytical approaches and preparation of biological, food and environmental samples for analyses of zearalenone and its metabolites. Reviews in Analytical Chemistry, 2020, 39, 157-167.	1.5	6
69	A New Approach for Spontaneous Silver Ions Immobilization onto Casein. International Journal of Molecular Sciences, 2019, 20, 3864.	1.8	20
70	Investigation of Zearalenone Adsorption and Biotransformation by Microorganisms Cultured under Cellular Stress Conditions. Toxins, 2019, 11, 463.	1.5	21
71	Supercritical fluid extraction in isolation of cyclitols and sugars from chamomile flowers. Journal of Separation Science, 2019, 42, 3243-3252.	1.3	27
72	Temporal influence of different antibiotics onto the inhibition of Escherichia coli bacterium grown in different media. Analytical Biochemistry, 2019, 585, 113407.	1.1	11

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73	VOC Profiles of Saliva in Assessment of Halitosis and Submandibular Abscesses Using HS-SPME-GC/MS Technique. Molecules, 2019, 24, 2977.	1.7	36
74	A study of zearalenone biosorption and metabolisation by prokaryotic and eukaryotic cells. Toxicon, 2019, 169, 81-90.	0.8	17
75	Study of Bacillus subtilis response to different forms of silver. Science of the Total Environment, 2019, 661, 120-129.	3.9	27
76	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. PLoS ONE, 2019, 14, e0217078.	1.1	50
77	Profiling of VOCs released from different salivary bacteria treated with non-lethal concentrations of silver nitrate. Analytical Biochemistry, 2019, 578, 36-44.	1.1	17
78	Preparation of AgNPs/saponite nanocomposites without reduction agents and study of its antibacterial activity. Colloids and Surfaces B: Biointerfaces, 2019, 180, 457-465.	2.5	18
79	Effect of solvent and extraction technique on composition and biological activity of Lepidium sativum extracts. Food Chemistry, 2019, 289, 16-25.	4.2	74
80	Simultaneous Determination of Cyclitols and Sugars Following a Comprehensive Investigation of 40 Plants. Food Analytical Methods, 2019, 12, 1466-1478.	1.3	26
81	Zearalenone and its metabolites: Effect on human health, metabolism and neutralisation methods. Toxicon, 2019, 162, 46-56.	0.8	182
82	Complementarity of Matrix- and Nanostructure-Assisted Laser Desorption/Ionization Approaches. Nanomaterials, 2019, 9, 260.	1.9	28
83	Phytochemical investigation of Medicago sativa L. extract and its potential as a safe source for the synthesis of ZnO nanoparticles: The proposed mechanism of formation and antimicrobial activity. Phytochemistry Letters, 2019, 31, 170-180.	0.6	54
84	Phytochemical analysis and biological activity of Lupinus luteus seeds extracts obtained by supercritical fluid extraction. Phytochemistry Letters, 2019, 30, 338-348.	0.6	18
85	Monitoring of Bactericidal Effects of Silver Nanoparticles Based on Protein Signatures and VOC Emissions from Escherichia coli and Selected Salivary Bacteria. Journal of Clinical Medicine, 2019, 8, 2024.	1.0	14
86	Extraction and Determination of Polar Bioactive Compounds from Alfalfa (Medicago sativa L.) Using Supercritical Techniques. Molecules, 2019, 24, 4608.	1.7	24
87	Column Characterization and Selection Systems in Reversed-Phase High-Performance Liquid Chromatography. Chemical Reviews, 2019, 119, 3674-3729.	23.0	191
88	High performance liquid chromatography as a molecular probe in quantitative structure-retention relationships studies of selected lipid classes on polar-embedded stationary phases. Journal of Chromatography A, 2019, 1585, 105-112.	1.8	9
89	Electrophoretic Determination of Lactococcus lactis Modified by Zinc Ions. Chromatographia, 2019, 82, 347-355.	0.7	15
90	Pressurized liquid extraction of cyclitols and sugars: optimization of extraction parameters and selective separation. Journal of Separation Science, 2019, 42, 1265-1272.	1.3	23

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91	Isolation and determination of saponin hydrolysis products from Medicago sativa using supercritical fluid extraction, solidâ€phase extraction and liquid chromatography with evaporative light scattering detection. Journal of Separation Science, 2019, 42, 465-474.	1.3	16
92	Extraction approaches used for the determination of biologically active compounds (cyclitols,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	1.3	37
93	Complex investigation of extraction techniques applied for cyclitols and sugars isolation from different species of Solidago genus. Electrophoresis, 2018, 39, 1966-1974.	1.3	23
94	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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1086, 153-165.	1.2	29
95	Isolation, Separation, and Preconcentration of Biologically Active Compounds from Plant Matrices by Extraction Techniques. Chromatographia, 2018, 81, 189-202.	0.7	43
96	Determination of sugars and cyclitols isolated from various morphological parts of Medicago sativa L. Journal of Separation Science, 2018, 41, 1118-1128.	1.3	19
97	Physicochemical study of natural fractionated biocolloid by asymmetric flow field-flow fractionation in tandem with various complementary techniques using biologically synthesized silver nanocomposites. Analytical and Bioanalytical Chemistry, 2018, 410, 2837-2847.	1.9	12
98	Antimicrobial activity of biosilver nanoparticles produced by a novel Streptacidiphilus durhamensis strain. Journal of Microbiology, Immunology and Infection, 2018, 51, 45-54.	1.5	150
99	Microbiology neutralization of zearalenone using Lactococcus lactis and Bifidobacterium sp.. Analytical and Bioanalytical Chemistry, 2018, 410, 943-952.	1.9	57
100	Simultaneous HPLC-ELSD determination of sugars and cyclitols in different parts of Phacelia tanacetifolia Benth.. Biochemical Systematics and Ecology, 2018, 80, 32-38.	0.6	15
101	Modern analytical methods for consideration of natural biological activity. TrAC - Trends in Analytical Chemistry, 2018, 109, 198-213.	5.8	13
102	Target-based drug discovery through inversion of quantitative structure-drug-property relationships and molecular simulation: CA IX-sulphonamide complexes. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 1430-1443.	2.5	14
103	Enzyme-assisted optimized supercritical fluid extraction to improve Medicago sativa polyphenolics isolation. Industrial Crops and Products, 2018, 124, 931-940.	2.5	44
104	Mechanism study of intracellular zinc oxide nanocomposites formation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 553, 349-358.	2.3	50
105	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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1093-1094, 100-112.	1.2	13
106	New approach for fast identification of cyclitols by MALDIâ€TOF mass spectrometry. Phytochemical Analysis, 2018, 29, 528-537.	1.2	11
107	The influence of different pH on the electrophoretic behaviour of Saccharomyces cerevisiae modified by calcium ions. Scientific Reports, 2018, 8, 7261.	1.6	30
108	The effect of biosilver nanoparticles on different bacterial strainsâ€™ metabolism reflected in their VOCs profiles. Journal of Breath Research, 2018, 12, 027105.	1.5	22

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109	Investigation of bacterial viability from incubated saliva by application of flow cytometry and hyphenated separation techniques. Electrophoresis, 2017, 38, 2081-2088.	1.3	7
110	Saliva â€“ Volatile Biomarkers and Profiles. Critical Reviews in Analytical Chemistry, 2017, 47, 251-266.	1.8	37
111	Naturally organic functionalized 3D biosilica from diatom microalgae. Materials and Design, 2017, 132, 22-29.	3.3	51
112	Medicago sativa as a source of secondary metabolites for agriculture and pharmaceutical industry. Phytochemistry Letters, 2017, 20, 520-539.	0.6	82
113	A window on cyclitols: Characterization and analytics of inositols. Phytochemistry Letters, 2017, 20, 507-519.	0.6	45
114	Zinc oxide nanoparticles: Synthesis, antiseptic activity and toxicity mechanism. Advances in Colloid and Interface Science, 2017, 249, 37-52.	7.0	468
115	Silver nanoparticles functionalized with ampicillin. Electrophoresis, 2017, 38, 2757-2764.	1.3	35
116	The effect of growth medium on an Escherichia coli pathway mirrored into GC/MS profiles. Journal of Breath Research, 2017, 11, 036012.	1.5	31
117	Preparation of an improved hydrophilic monolith to make trypsin-immobilized microreactors. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1043, 128-137.	1.2	20
118	Supercritical Fluid Extraction of Bioactive Compounds from Plant Materials. Journal of AOAC INTERNATIONAL, 2017, 100, 1624-1635.	0.7	78
119	Comparison of Various Extraction Techniques of Medicago sativa: Yield, Antioxidant Activity, and Content of Phytochemical Constituents. Journal of AOAC INTERNATIONAL, 2017, 100, 1681-1693.	0.7	33
120	Identification of Microorganisms by Modern Analytical Techniques. Journal of AOAC INTERNATIONAL, 2017, 100, 1607-1623.	0.7	50
121	Biosorption of silver cations onto Lactococcus lactis and Lactobacillus casei isolated from dairy products. PLoS ONE, 2017, 12, e0174521.	1.1	23
122	Antimicrobial Effectiveness of Bioactive Silver Nanoparticles Synthesized by Actinomycetes HGG16n Strain. Current Pharmaceutical Biotechnology, 2017, 18, 168-176.	0.9	14
123	Novel aspects of silver nanoparticles functionalization. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 506, 170-178.	2.3	38
124	Microbial Analysis of Escherichia coli ATCC, Lactobacteria and Saccharomyces cerevisiae Using Capillary Electrophoresis Approach. Methods in Molecular Biology, 2016, 1483, 393-406.	0.4	8
125	Antimicrobial properties of biosynthesized silver nanoparticles studied by flow cytometry and related techniques. Electrophoresis, 2016, 37, 752-761.	1.3	34
126	Silver-Lactoferrin Nanocomplexes as a Potent Antimicrobial Agent. Journal of the American Chemical Society, 2016, 138, 7899-7909.	6.6	73

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127	Study of silver nanoparticles synthesized by acidophilic strain of Actinobacteria isolated from the of Picea sitchensis forest soil. Journal of Applied Microbiology, 2016, 120, 1250-1263.	1.4	44
128	Separation of flavonoids on different phenyl-bonded stationary phases-the influence of polar groups in stationary phase structure. Journal of Chromatography A, 2016, 1429, 198-206.	1.8	29
129	Determination of phospholipids in milk using a new phosphodiester stationary phase by liquid chromatography-matrix assisted desorption ionization mass spectrometry. Journal of Chromatography A, 2016, 1432, 39-48.	1.8	20
130	Preparation and evaluation of dual-enzyme microreactor with co-immobilized trypsin and chymotrypsin. Journal of Chromatography A, 2016, 1440, 45-54.	1.8	36
131	Rapid microbiological diagnostics in medicine using electromigration techniques. TrAC - Trends in Analytical Chemistry, 2016, 78, 95-108.	5.8	21
132	Different approaches to quantitative structure-retention relationships in the prediction of oligonucleotide retention. Journal of Separation Science, 2015, 38, 2076-2084.	1.3	17
133	Synthesis and characterization of phosphodiester stationary bonded phases for liquid chromatography. Talanta, 2015, 143, 35-41.	2.9	14
134	Ionic liquid modified diatomite as a new effective adsorbent for uranium ions removal from aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 465, 159-167.	2.3	53
135	Strain-specific bioaccumulation and intracellular distribution of Cd2+ in bacteria isolated from the rhizosphere, ectomycorrhizae, and fruitbodies of ectomycorrhizal fungi. Environmental Science and Pollution Research, 2015, 22, 3055-3067.	2.7	37
136	Microextraction sample preparation techniques in biomedical analysis. Journal of Separation Science, 2014, 37, 3094-3105.	1.3	48
137	Capillary electrophoresis of microbial aggregates. Electrophoresis, 2014, 35, 1160-1164.	1.3	27
138	Two-dimensional gel electrophoresis in the light of new developments. TrAC - Trends in Analytical Chemistry, 2014, 53, 167-177.	5.8	48
139	HPLC separation of casein components on a diol-bonded silica column with MALDI TOF/TOF MS identification. Analytical Methods, 2014, 6, 5236-5244.	1.3	12
140	Analysis of Exhaled Breath for Disease Detection. Annual Review of Analytical Chemistry, 2014, 7, 455-482.	2.8	160
141	The human volatilome: volatile organic compounds (VOCs) in exhaled breath, skin emanations, urine, feces and saliva. Journal of Breath Research, 2014, 8, 034001.	1.5	504
142	The study of zinc ions binding to casein. Colloids and Surfaces B: Biointerfaces, 2014, 120, 21-27.	2.5	46
143	Determination of flavonoids and their metabolites by chromatographic techniques. TrAC - Trends in Analytical Chemistry, 2013, 47, 47-67.	5.8	25
144	A study of interactions between bacteria and antibiotics by capillary electrophoresis. Electrophoresis, 2012, 33, 3095-3100.	1.3	10

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145	Determination of accessible silanols groups on silica gel surfaces using microcalorimetric measurements. Journal of Chromatography A, 2012, 1232, 43-46.	1.8	21
146	Removal of zearalenone toxin from synthetics gastric and body fluids using talc and diatomite: A batch kinetic study. Colloids and Surfaces B: Biointerfaces, 2012, 94, 7-14.	2.5	45
147	Hydrophilic interaction liquid chromatography (HILIC)â€"a powerful separation technique. Analytical and Bioanalytical Chemistry, 2012, 402, 231-247.	1.9	950
148	Determination of zearalenone and its metabolites in endometrial cancer by coupled separation techniques. Analytical and Bioanalytical Chemistry, 2011, 401, 2069-2078.	1.9	41
149	Determination of volatile organic compounds in human breath for Helicobacter pylori detection by SPMEâ€GC/MS. Biomedical Chromatography, 2011, 25, 391-397.	0.8	70
150	EFFECT OF APPLIED VOLTAGE ON VIABILITY OF BACTERIA DURING SEPARATION UNDER ELECTROPHORETIC CONDITIONS. Journal of Liquid Chromatography and Related Technologies, 2011, 34, 2689-2698.	0.5	7
151	Zastosowanie kliniczne szybkiego testu skryningowego opartego o technologiÄ™ kapilarnej elektroforezy strefowej (CZE) do identyfikacji infekcji Escherichia coli w materiale biologicznym.. Medical Science Monitor, 2011, 17, MT91-MT96.	0.5	10
152	Effect of zeta potential value on bacterial behavior during electrophoretic separation. Electrophoresis, 2010, 31, 1590-1596.	1.3	187
153	Differentiation of Staphylococcus aureus strains by CE, zeta potential and coagulase gene polymorphism. Electrophoresis, 2009, 30, 3086-3091.	1.3	40
154	Analysis of exhaled breath from smokers, passive smokers and nonâ€smokers by solidâ€phase microextraction gas chromatography/mass spectrometry. Biomedical Chromatography, 2009, 23, 551-556.	0.8	157
155	Application of a fluorescence stereomicroscope as an in-line detection unit for electrophoretic separation of bacteria. Mikrochimica Acta, 2009, 164, 287-291.	2.5	22
156	Application of capillary zone electrophoresis (CZE) to the determination of pathogenic bacteria for medical diagnosis. Analytical and Bioanalytical Chemistry, 2008, 391, 2153-2160.	1.9	25
157	Determination of pathogenic bacteria by CZE with surfaceâ€modified capillaries. Electrophoresis, 2008, 29, 4177-4184.	1.3	34
158	Identification of volatile organic compounds secreted from cancer tissues and bacterial cultures. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 868, 88-94.	1.2	76
159	Human exhaled air analytics: biomarkers of diseases. Biomedical Chromatography, 2007, 21, 553-566.	0.8	629
160	Comparative evaluation of high-performance liquid chromatography stationary phases used for the separation of peptides in terms of quantitative structureâ€"retention relationships. Journal of Chromatography A, 2007, 1175, 49-54.	1.8	41
161	Considerations on influence of charge distribution on determination of biomolecules and microorganisms and tailoring the monolithic (continuous bed) materials for bioseparations. Journal of Proteomics, 2007, 70, 107-115.	2.4	11
162	Rapid identification ofEscherichia coli andHelicobacter pylori in biological samples by capillary zone electrophoresis. Journal of Separation Science, 2006, 29, 1180-1187.	1.3	45

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163	Separation of microorganisms using electromigration techniques. Journal of Chromatography A, 2005, 1084, 186-193.	1.8	72
164	Separation of bacteria by capillary electrophoresis. Journal of Separation Science, 2003, 26, 1045-1049.	1.3	86
165	Mechanism of separation on cholesterolâ€“silica stationary phase for high-performance liquid chromatography as revealed by analysis of quantitative structureâ€“retention relationships. Journal of Pharmaceutical and Biomedical Analysis, 1998, 18, 721-728.	1.4	54
166	Chemically Bonded Silica Stationary Phases:Â Synthesis, Physicochemical Characterization, and Molecular Mechanism of Reversed-Phase HPLC Retention. Analytical Chemistry, 1997, 69, 3277-3284.	3.2	100
167	ICP-MS Analysis of Cadmium Bioaccumulation and Its Effect on Pea Plants (Pisum sativum L.). Polish Journal of Environmental Studies, 0, , .	0.6	3