

Zdenek Spacil

List of Publications by Year in descending order

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35
papers

1,623
citations

430874

18
h-index

345221

36
g-index

36
all docs

36
docs citations

36
times ranked

2172
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on mass spectrometry-based quantitative proteomics: Targeted and data independent acquisition. <i>Analytica Chimica Acta</i> , 2017, 964, 7-23.	5.4	277
2	Transfer of a cyanobacterial neurotoxin within a temperate aquatic ecosystem suggests pathways for human exposure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9252-9257.	7.1	254
3	Analysis of phenolic compounds by high performance liquid chromatography and ultra performance liquid chromatography. <i>Talanta</i> , 2008, 76, 189-199.	5.5	132
4	Analytical protocol for identification of BMAA and DAB in biological samples. <i>Analyst</i> , 2010, 135, 127-132.	3.5	91
5	High-Throughput Assay of 9 Lysosomal Enzymes for Newborn Screening. <i>Clinical Chemistry</i> , 2013, 59, 502-511.	3.2	81
6	Selective LC-MS/MS method for the identification of BMAA from its isomers in biological samples. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1719-1730.	3.7	73
7	Distinguishing the cyanobacterial neurotoxin β -N-methylamino-L-alanine (BMAA) from its structural isomer 2,4-diaminobutyric acid (2,4-DAB). <i>Toxicon</i> , 2010, 56, 868-879.	1.6	63
8	Rapid qualitative and quantitative ultra high performance liquid chromatography method for simultaneous analysis of twenty nine common phenolic compounds of various structures. <i>Talanta</i> , 2010, 80, 1970-1979.	5.5	63
9	Distinguishing the cyanobacterial neurotoxin β -N-methylamino-L-alanine (BMAA) from other diamino acids. <i>Toxicon</i> , 2011, 57, 730-738.	1.6	59
10	Sulfatide Analysis by Mass Spectrometry for Screening of Metachromatic Leukodystrophy in Dried Blood and Urine Samples. <i>Clinical Chemistry</i> , 2016, 62, 279-286.	3.2	58
11	Urinary intermediates of tryptophan as indicators of the gut microbial metabolism. <i>Analytica Chimica Acta</i> , 2017, 987, 72-80.	5.4	58
12	Comparison of positive and negative ion detection of tea catechins using tandem mass spectrometry and ultra high performance liquid chromatography. <i>Food Chemistry</i> , 2010, 123, 535-541.	8.2	56
13	Tandem Mass Spectrometry Has a Larger Analytical Range than Fluorescence Assays of Lysosomal Enzymes: Application to Newborn Screening and Diagnosis of Mucopolysaccharidoses Types II, IVA, and VI. <i>Clinical Chemistry</i> , 2015, 61, 1363-1371.	3.2	53
14	Comparative Triplex Tandem Mass Spectrometry Assays of Lysosomal Enzyme Activities in Dried Blood Spots Using Fast Liquid Chromatography: Application to Newborn Screening of Pompe, Fabry, and Hurler Diseases. <i>Analytical Chemistry</i> , 2011, 83, 4822-4828.	6.5	40
15	Improved Reagents for Newborn Screening of Mucopolysaccharidosis Types I, II, and VI by Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 4508-4514.	6.5	36
16	Abiotic synthesis of amino acids and self-crystallization under prebiotic conditions. <i>Scientific Reports</i> , 2014, 4, 6769.	3.3	28
17	Matrix-free thin-layer chromatography/laser desorption ionization mass spectrometry for facile separation and identification of medicinal alkaloids. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3655-3660.	1.5	27
18	Fast assay of glucosamine in pharmaceuticals and nutraceuticals by capillary zone electrophoresis with contactless conductivity detection. <i>Electrophoresis</i> , 2008, 29, 3511-3518.	2.4	20

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19	Lymphocyte Galactocerebrosidase Activity by LC-MS/MS for Post-“Newborn Screening Evaluation of Krabbe Disease. <i>Clinical Chemistry</i> , 2017, 63, 1363-1369.	3.2	20
20	<i>Aspergillus fumigatus</i> tryptophan metabolic route differently affects host immunity. <i>Cell Reports</i> , 2021, 34, 108673.	6.4	16
21	Protonation sites and dissociation mechanisms of <i>n</i> -butylcarbamates in tandem mass spectrometric assays for newborn screening. <i>Journal of Mass Spectrometry</i> , 2011, 46, 1089-1098.	1.6	15
22	Patients With Common Variable Immunodeficiency (CVID) Show Higher Gut Bacterial Diversity and Levels of Low-Abundance Genes Than the Healthy Housemates. <i>Frontiers in Immunology</i> , 2021, 12, 671239.	4.8	13
23	Human White Adipose Tissue Metabolome: Current Perspective. <i>Obesity</i> , 2018, 26, 1870-1878.	3.0	12
24	Pharyngeal Microbial Signatures Are Predictive of the Risk of Fungal Pneumonia in Hematologic Patients. <i>Infection and Immunity</i> , 2021, 89, e0010521.	2.2	12
25	Simultaneous liquid chromatographic determination of metals and organic compounds in pharmaceutical and food-supplement formulations using evaporative light scattering detection. <i>Analytica Chimica Acta</i> , 2007, 583, 239-245.	5.4	10
26	Matrix-assisted laser desorption/ionisation mass spectrometry of polyphenols in red wine. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1834-1840.	1.5	9
27	Fluorimetric assays for N-acetylgalactosamine-6-sulfatase and arylsulfatase B based on the natural substrates for confirmation of mucopolysaccharidoses types IVA and VI. <i>Clinica Chimica Acta</i> , 2015, 451, 125-128.	1.1	9
28	Multiplex Assay for Quantification of Acute Phase Proteins and Immunoglobulin A in Dried Blood Spots. <i>Journal of Proteome Research</i> , 2019, 18, 380-391.	3.7	6
29	Systematic Feature Filtering in Exploratory Metabolomics: Application toward Biomarker Discovery. <i>Analytical Chemistry</i> , 2021, 93, 9103-9110.	6.5	6
30	Treatment of cylindrospermopsin by hydroxyl and sulfate radicals: Does degradation equal detoxification?. <i>Journal of Hazardous Materials</i> , 2022, 424, 127447.	12.4	6
31	A High-Risk Profile for Invasive Fungal Infections Is Associated with Altered Nasal Microbiota and Niche Determinants. <i>Infection and Immunity</i> , 2022, 90, e0004822.	2.2	6
32	Adipophilin and perilipin 3 positively correlate with total lipid content in human breast milk. <i>Scientific Reports</i> , 2020, 10, 360.	3.3	5
33	A comparative study of synthetic winged peptides for absolute protein quantification. <i>Scientific Reports</i> , 2021, 11, 10880.	3.3	4
34	Profiling Tryptophan Catabolites of Human Gut Microbiota and Acute-Phase Protein Levels in Neonatal Dried Blood Specimens. <i>Frontiers in Microbiology</i> , 2021, 12, 665743.	3.5	2
35	Simultaneous quantitative profiling of clinically relevant immune markers in neonatal stool swabs to reveal inflammation. <i>Scientific Reports</i> , 2021, 11, 10222.	3.3	1