

Agnes Fekete

List of Publications by Year in descending order

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62
papers

3,589
citations

117625

34
h-index

138484

58
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66
all docs

66
docs citations

66
times ranked

5847
citing authors

#	ARTICLE	IF	CITATIONS
1	The evolutionarily conserved kinase SnRK1 orchestrates resource mobilization during Arabidopsis seedling establishment. <i>Plant Cell</i> , 2022, 34, 616-632.	6.6	42
2	Endocrine signals fine-tune daily activity patterns in <i>Drosophila</i> . <i>Current Biology</i> , 2021, 31, 4076-4087.e5.	3.9	7
3	Chemical Priming by Isothiocyanates Protects Against Intoxication by Products of the Mustard Oil Bomb. <i>Frontiers in Plant Science</i> , 2020, 11, 887.	3.6	4
4	Loss of function in the <i>Drosophila</i> clock gene period results in altered intermediary lipid metabolism and increased susceptibility to starvation. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 4939-4956.	5.4	19
5	Enzymatic and Non-Enzymatic Mechanisms Contribute to Lipid Oxidation During Seed Aging. <i>Plant and Cell Physiology</i> , 2017, 58, 925-933.	3.1	53
6	Inhibitory potential of streptonium A against Shiga toxin production in enterohemorrhagic <i>Escherichia coli</i> (EHEC) strain EDL933. <i>Natural Product Research</i> , 2017, 31, 2818-2823.	1.8	11
7	Membrane Microdomain Disassembly Inhibits MRSA Antibiotic Resistance. <i>Cell</i> , 2017, 171, 1354-1367.e20.	28.9	182
8	Phospholipid:Diacylglycerol Acyltransferase-Mediated Triacylglycerol Synthesis Augments Basal Thermotolerance. <i>Plant Physiology</i> , 2017, 175, 486-497.	4.8	76
9	Methods to Detect Nitric Oxide in Plants: Are DAFs Really Measuring NO?. <i>Methods in Molecular Biology</i> , 2016, 1424, 57-68.	0.9	9
10	Streptoxazine A, a new cytotoxic phenoxazin from the marine sponge-derived bacterium <i>Streptomyces</i> sp. SBT345. <i>Tetrahedron Letters</i> , 2016, 57, 4196-4199.	1.4	18
11	An essential developmental function for murine phosphoglycolate phosphatase in safeguarding cell proliferation. <i>Scientific Reports</i> , 2016, 6, 35160.	3.3	22
12	Casein-Derived Lactotripeptides Reduce Systolic and Diastolic Blood Pressure in a Meta-Analysis of Randomised Clinical Trials. <i>Nutrients</i> , 2015, 7, 659-681.	4.1	102
13	Accumulation of extra-chloroplastic triacylglycerols in <i>Arabidopsis</i> seedlings during heat acclimation. <i>Journal of Experimental Botany</i> , 2015, 66, 4517-4526.	4.8	90
14	2-Cysteine Peroxiredoxins and Thylakoid Ascorbate Peroxidase Create a Water-Water Cycle That Is Essential to Protect the Photosynthetic Apparatus under High Light Stress Conditions. <i>Plant Physiology</i> , 2015, 167, 1592-1603.	4.8	119
15	Profiling a gut microbiota-generated catechin metabolite's fate in human blood cells using a metabolomic approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 114, 71-81.	2.8	14
16	Influence of bacterial N-acyl-homoserine lactones on growth parameters, pigments, antioxidative capacities and the xenobiotic phase II detoxification enzymes in barley and yam bean. <i>Frontiers in Plant Science</i> , 2015, 6, 205.	3.6	41
17	Crosstalk between Two bZIP Signaling Pathways Orchestrates Salt-Induced Metabolic Reprogramming in <i>Arabidopsis</i> Roots. <i>Plant Cell</i> , 2015, 27, 2244-2260.	6.6	115
18	Lipid-Pro: a computational lipid identification solution for untargeted lipidomics on data-independent acquisition tandem mass spectrometry platforms. <i>Bioinformatics</i> , 2015, 31, 1150-1153.	4.1	29

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19	Two Fatty Acid Desaturases, STEAROYL-ACYL CARRIER PROTEIN 9-DESATURASE6 and FATTY ACID DESATURASE3, Are Involved in Drought and Hypoxia Stress Signaling in Arabidopsis Crown Galls. <i>Plant Physiology</i> , 2014, 164, 570-583.	4.8	75
20	Arabidopsis lipocalins AtCHL and AtTIL have distinct but overlapping functions essential for lipid protection and seed longevity. <i>Plant, Cell and Environment</i> , 2014, 37, 368-381.	5.7	63
21	Manipulation of methyl jasmonate esterase activity renders tomato more susceptible to <i>Sclerotinia sclerotiorum</i> . <i>Functional Plant Biology</i> , 2014, 41, 133.	2.1	5
22	Molecular and structural characterization of dissolved organic matter during and post cyanobacterial bloom in Taihu by combination of NMR spectroscopy and FTICR mass spectrometry. <i>Water Research</i> , 2014, 57, 280-294.	11.3	87
23	Structural Basis for the Recognition of Mycolic Acid Precursors by KasA, a Condensing Enzyme and Drug Target from <i>Mycobacterium Tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 34190-34204.	3.4	48
24	A small RNA activates CFA synthase by isoform-specific mRNA stabilization. <i>EMBO Journal</i> , 2013, 32, 2963-2979.	7.8	108
25	Analysis of Arabidopsis glutathione-transferases in yeast. <i>Phytochemistry</i> , 2013, 91, 198-207.	2.9	21
26	Soil remediation with a microbial community established on a carrier: Strong hints for microbial communication during 1,2,4-Trichlorobenzene degradation. <i>Chemosphere</i> , 2013, 92, 1403-1409.	8.2	10
27	Lipid Profiling of the Arabidopsis Hypersensitive Response Reveals Specific Lipid Peroxidation and Fragmentation Processes: Biogenesis of Pimelic and Azelaic Acid. <i>Plant Physiology</i> , 2012, 160, 365-378.	4.8	202
28	DAF-fluorescence without NO: Elicitor treated tobacco cells produce fluorescing DAF-derivatives not related to DAF-2 triazol. <i>Nitric Oxide - Biology and Chemistry</i> , 2012, 27, 123-135.	2.7	35
29	Autoinducers Act as Biological Timers in <i>Vibrio harveyi</i> . <i>PLoS ONE</i> , 2012, 7, e48310.	2.5	57
30	Serum 27-nor-5 β -Cholestane-3,7,12,24,25 Pentol Glucuronide Discovered by Metabolomics as Potential Diagnostic Biomarker for Epithelium Ovarian Cancer. <i>Journal of Proteome Research</i> , 2011, 10, 2625-2632.	3.7	89
31	Pollen metabolome analysis reveals adenosine as a major regulator of dendritic cell primed TH cell responses. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 127, 454-461.e9.	2.9	59
32	Determination of stilbene derivatives in Burgundy red wines by ultra-high-pressure liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 1513-1521.	3.7	29
33	Analysis of low molecular weight acids by monolithic immobilized pH gradient based capillary isoelectric focusing coupled with mass spectrometry. <i>Journal of Separation Science</i> , 2011, 34, 422-427.	2.5	8
34	Modulation of Metabolism and Switching to Biofilm Preval over Exopolysaccharide Production in the Response of <i>Rhizobium alamii</i> to Cadmium. <i>PLoS ONE</i> , 2011, 6, e26771.	2.5	26
35	Hydrolysis of mefenpyrdiethyl: an analytical and DFT investigation. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 2325-2334.	3.7	9
36	Dynamic regulation of N-acyl-homoserine lactone production and degradation in <i>Pseudomonas putida</i> IsoF. <i>FEMS Microbiology Ecology</i> , 2010, 72, 22-34.	2.7	81

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37	Insulin Sensitivity Is Reflected by Characteristic Metabolic Fingerprints - A Fourier Transform Mass Spectrometric Non-Targeted Metabolomics Approach. PLoS ONE, 2010, 5, e13317.	2.5	58
38	High molecular diversity of extraterrestrial organic matter in Murchison meteorite revealed 40 years after its fall. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2763-2768.	7.1	466
39	Use of the kinetic plot method to compare the efficiency and resolution of liquid-phase separation techniques based on different driving forces. Journal of Planar Chromatography - Modern TLC, 2010, 23, 440-446.	1.2	2
40	Amines in the Environment. Critical Reviews in Analytical Chemistry, 2010, 40, 102-121.	3.5	58
41	In Situ Synthesis of Magnetic Multiwalled Carbon Nanotube Composites for the Clean-up of (Fluoro)Quinolones from Human Plasma Prior to Ultrahigh Pressure Liquid Chromatography Analysis. Analytical Chemistry, 2010, 82, 2743-2752.	6.5	98
42	Analytical Approaches for an Important Shellfish Poisoning Agent: Domoic Acid. Journal of Agricultural and Food Chemistry, 2010, 58, 11525-11533.	5.2	41
43	Isolation of two Pseudomonas strains producing pseudomonic acid A. Systematic and Applied Microbiology, 2009, 32, 56-64.	2.8	7
44	Single drop microextraction of homoserine lactones based quorum sensing signal molecules, and the separation of their enantiomers using gas chromatography mass spectrometry in the presence of biological matrices. Mikrochimica Acta, 2009, 166, 101-107.	5.0	22
45	Separation of the Phenoxy Acid Herbicides and Their Enantiomers by Capillary Zone Electrophoresis in Presence of Highly Sulphated Cyclodextrins. Journal of the Chinese Chemical Society, 2009, 56, 1163-1167.	1.4	6
46	Response of Arabidopsis thaliana to N-hexanoyl-dl-homoserine-lactone, a bacterial quorum sensing molecule produced in the rhizosphere. Planta, 2008, 229, 73-85.	3.2	201
47	Trends in CE-MS 2005-2006. Electrophoresis, 2008, 29, 66-79.	2.4	72
48	Endophytic root colonization of gramineous plants by Herbaspirillum frisingense. FEMS Microbiology Ecology, 2008, 66, 85-95.	2.7	81
49	Determination of Aliphatic Low-Molecular-Weight and Biogenic Amines by Capillary Zone Electrophoresis. , 2008, 384, 65-91.		7
50	Optimization of Gradient Elution in UPLC: A Core Study on the Separation of Homoserine Lactones Produced by <i>Burkholderia Ubsonensis</i> and Structure Confirmation with Ultra High Resolution Mass Spectrometry. Journal of Liquid Chromatography and Related Technologies, 2007, 30, 2515-2531.	1.0	6
51	Determination of Quats in Beverages and Urine Samples by Capillary Zone Electrophoresis. Annali Di Chimica, 2007, 97, 1157-1167.	0.6	2
52	The hydrolysis of unsubstituted N-acylhomoserine lactones to their homoserine metabolites. Journal of Chromatography A, 2007, 1160, 184-193.	3.7	38
53	Exploration of intracolonial adaptation mechanisms of <i>Pseudomonas brassicacearum</i> facing cadmium toxicity. Environmental Microbiology, 2007, 9, 2820-2835.	3.8	43
54	Identification of bacterial N-acylhomoserine lactones (AHLs) with a combination of ultra-performance liquid chromatography (UPLC), ultra-high-resolution mass spectrometry, and in-situ biosensors. Analytical and Bioanalytical Chemistry, 2007, 387, 455-467.	3.7	83

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55	The dosage of small volumes for chromatographic quantifications using a drop-on-demand dispenser system. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 1109-1116.	3.7	20
56	At-line coupling of UPLC to chip-electrospray-FTICR-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 1439-1446.	3.7	20
57	Uptake, degradation and chiral discrimination of N-acyl-D/L-homoserine lactones by barley (<i>Hordeum</i>) Tj ETQq1 1 0.784314 rgBT /Over 1447-1457.	3.7	98
58	Development and application of a method for the analysis of N-acylhomoserine lactones by solid-phase extraction and ultra high pressure liquid chromatography. <i>Journal of Chromatography A</i> , 2006, 1134, 186-193.	3.7	72
59	Development of a capillary electrophoretic method for the analysis of low-molecular-weight amines from metal working fluid aerosols and ambient air. <i>Electrophoresis</i> , 2006, 27, 1237-1247.	2.4	19
60	Development of a capillary electrophoresis-mass spectrometry method for the determination of formaldehyde releasers as their hydrolysis products and amino alcohols from metal working fluids. <i>Electrophoresis</i> , 2006, 27, 2216-2224.	2.4	5
61	Comparative in situ analysis of ipdC-gfpmut3 promoter fusions of <i>Azospirillum brasilense</i> strains Sp7 and Sp245. <i>Environmental Microbiology</i> , 2005, 7, 1839-1846.	3.8	43
62	Phosphorus stabilized carbenes: theoretical predictions. <i>Journal of Organometallic Chemistry</i> , 2002, 643-644, 278-284.	1.8	42