

# 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  
g-index

66  
all docs

66  
docs citations

66  
times ranked

5847  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | High molecular diversity of extraterrestrial organic matter in Murchison meteorite revealed 40 years after its fall. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2763-2768.                                     | 7.1  | 466       |
| 2  | 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       |
| 3  | Response of Arabidopsis thaliana to N-hexanoyl-dl-homoserine-lactone, a bacterial quorum sensing molecule produced in the rhizosphere. <i>Planta</i> , 2008, 229, 73-85.  | 3.2  | 201       |
| 4  | Membrane Microdomain Disassembly Inhibits MRSA Antibiotic Resistance. <i>Cell</i> , 2017, 171, 1354-1367.e20.   | 28.9 | 182       |
| 5  | 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       |
| 6  | Crosstalk between Two bZIP Signaling Pathways Orchestrates Salt-Induced Metabolic Reprogramming in Arabidopsis Roots. <i>Plant Cell</i> , 2015, 27, 2244-2260.  | 6.6  | 115       |
| 7  | A small RNA activates CFA synthase by isoform-specific mRNA stabilization. <i>EMBO Journal</i> , 2013, 32, 2963-2979.   | 7.8  | 108       |
| 8  | 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       |
| 9  | 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        |
| 10 | 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. <i>Analytical Chemistry</i> , 2010, 82, 2743-2752.                            | 6.5  | 98        |
| 11 | 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        |
| 12 | Serum 27-nor-5 $\beta$ -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        |
| 13 | 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        |
| 14 | 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. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 455-467. | 3.7  | 83        |
| 15 | Endophytic root colonization of gramineous plants by <i>Herbaspirillum frisingense</i> . <i>FEMS Microbiology Ecology</i> , 2008, 66, 85-95.  | 2.7  | 81        |
| 16 | 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        |
| 17 | Phospholipid:Diacylglycerol Acyltransferase-Mediated Triacylglycerol Synthesis Augments Basal Thermotolerance. <i>Plant Physiology</i> , 2017, 175, 486-497.  | 4.8  | 76        |
| 18 | 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        |

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|----|---|-----|-----------|
| 19 | 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        |
| 20 | Trends in CE&MS 2005&2006. <i>Electrophoresis</i> , 2008, 29, 66-79.  | 2.4 | 72        |
| 21 | <i>rabidopsis</i> lipocalins <i>AtCHL</i> and <i>AtTIL</i> 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        |
| 22 | 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        |
| 23 | Insulin Sensitivity Is Reflected by Characteristic Metabolic Fingerprints - A Fourier Transform Mass Spectrometric Non-Targeted Metabolomics Approach. <i>PLoS ONE</i> , 2010, 5, e13317.   | 2.5 | 58        |
| 24 | Amines in the Environment. <i>Critical Reviews in Analytical Chemistry</i> , 2010, 40, 102-121.   | 3.5 | 58        |
| 25 | Autoinducers Act as Biological Timers in <i>Vibrio harveyi</i> . <i>PLoS ONE</i> , 2012, 7, e48310.   | 2.5 | 57        |
| 26 | 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        |
| 27 | 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        |
| 28 | Comparative in situ analysis of <i>ipdC-gfpmut3</i> promoter fusions of <i>Azospirillum brasilense</i> strains Sp7 and Sp245. <i>Environmental Microbiology</i> , 2005, 7, 1839-1846.   | 3.8 | 43        |
| 29 | Exploration of intracolonial adaptation mechanisms of <i>Pseudomonas brassicacearum</i> facing cadmium toxicity. <i>Environmental Microbiology</i> , 2007, 9, 2820-2835.  | 3.8 | 43        |
| 30 | Phosphorus stabilized carbenes: theoretical predictions. <i>Journal of Organometallic Chemistry</i> , 2002, 643-644, 278-284.   | 1.8 | 42        |
| 31 | The evolutionarily conserved kinase SnRK1 orchestrates resource mobilization during <i>Arabidopsis</i> seedling establishment. <i>Plant Cell</i> , 2022, 34, 616-632.   | 6.6 | 42        |
| 32 | Analytical Approaches for an Important Shellfish Poisoning Agent: Domoic Acid. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 11525-11533.   | 5.2 | 41        |
| 33 | 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        |
| 34 | The hydrolysis of unsubstituted N-acylhomoserine lactones to their homoserine metabolites. <i>Journal of Chromatography A</i> , 2007, 1160, 184-193.  | 3.7 | 38        |
| 35 | 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        |
| 36 | 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        |

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|----|---|-----|-----------|
| 37 | <i>Lipid-Pro</i> : 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        |
| 38 | 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        |
| 39 | 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. <i>Mikrochimica Acta</i> , 2009, 166, 101-107. | 5.0 | 22        |
| 40 | An essential developmental function for murine phosphoglycolate phosphatase in safeguarding cell proliferation. <i>Scientific Reports</i> , 2016, 6, 35160.   | 3.3 | 22        |
| 41 | Analysis of <i>Arabidopsis</i> glutathione-transferases in yeast. <i>Phytochemistry</i> , 2013, 91, 198-207.  | 2.9 | 21        |
| 42 | 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        |
| 43 | At-line coupling of UPLC to chip-electrospray-FTICR-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 1439-1446.   | 3.7 | 20        |
| 44 | 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        |
| 45 | 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        |
| 46 | 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        |
| 47 | 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        |
| 48 | 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        |
| 49 | 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        |
| 50 | Hydrolysis of mefenpyr-diethyl: an analytical and DFT investigation. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 2325-2334.  | 3.7 | 9         |
| 51 | 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         |
| 52 | 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         |
| 53 | Isolation of two <i>Pseudomonas</i> strains producing pseudomonic acid A. <i>Systematic and Applied Microbiology</i> , 2009, 32, 56-64.   | 2.8 | 7         |
| 54 | Endocrine signals fine-tune daily activity patterns in <i>Drosophila</i> . <i>Current Biology</i> , 2021, 31, 4076-4087.e5.   | 3.9 | 7         |

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|----|---|-----|-----------|
| 55 | Determination of Aliphatic Low-Molecular-Weight and Biogenic Amines by Capillary Zone Electrophoresis. , 2008, 384, 65-91.  |     | 7         |
| 56 | Optimization of Gradient Elution in UPLC: A Core Study on the Separation of Homoserine Lactones Produced by <i>Bukholderia Ubonensis</i> and Structure Confirmation with Ultra High Resolution Mass Spectrometry. Journal of Liquid Chromatography and Related Technologies, 2007, 30, 2515-2531. | 1.0 | 6         |
| 57 | 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         |
| 58 | 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. Electrophoresis, 2006, 27, 2216-2224.  | 2.4 | 5         |
| 59 | Manipulation of methyl jasmonate esterase activity renders tomato more susceptible to <i>Sclerotinia sclerotiorum</i> . Functional Plant Biology, 2014, 41, 133.  | 2.1 | 5         |
| 60 | Chemical Priming by Isothiocyanates Protects Against Intoxication by Products of the Mustard Oil Bomb. Frontiers in Plant Science, 2020, 11, 887.   | 3.6 | 4         |
| 61 | Determination of Quats in Beverages and Urine Samples by Capillary Zone Electrophoresis. Annali Di Chimica, 2007, 97, 1157-1167.  | 0.6 | 2         |
| 62 | 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         |