Vladimir Shulaev

List of Publications by Year
in descending order

17 papers	1,626 citations	759233 12 h-index	996975 15 g-index
17 all docs	17 docs citations	17 times ranked	2855 citing authors

#	Article	IF	Citations
1	Metabolomics for plant stress response. Physiologia Plantarum, 2008, 132, 199-208.	5.2	583
2	Metabolomics technology and bioinformatics. Briefings in Bioinformatics, 2006, 7, 128-139.	6.5	311
3	Sensitive and Rapid Method for Amino Acid Quantitation in Malaria Biological Samples Using AccQâ€¢Tag Ultra Performance Liquid Chromatography-Electrospray Ionization-MS/MS with Multiple Reaction Monitoring. Analytical Chemistry, 2010, 82, 548-558.	6.5	130
4	Applications of Fourier Transform Ion Cyclotron Resonance (FT-ICR) and Orbitrap Based High Resolution Mass Spectrometry in Metabolomics and Lipidomics. International Journal of Molecular Sciences, 2016, 17, 816.	4.1	127
5	Spatial Mapping of Lipids at Cellular Resolution in Embryos of Cotton. Plant Cell, 2012, 24, 622-636.	6.6	114
6	Bioinformatics tools for cancer metabolomics. Metabolomics, 2011, 7, 329-343.	3.0	106
7	Metabolomics technology and bioinformatics for precision medicine. Briefings in Bioinformatics, 2019, 20, 1957-1971.	6.5	88
8	Chemical composition of volatile aroma metabolites and their glycosylated precursors that can uniquely differentiate individual grape cultivars. Food Chemistry, 2015, 188, 309-319.	8.2	65
9	Supercritical fluid chromatography coupled to mass spectrometry â€“ A metabolomics perspective. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1092, 499-505.	2.3	37
10	Plant Metabolomics by GC-MS and Differential Analysis. Methods in Molecular Biology, 2011, 678, 229-246.	0.9	18
11	Combination of an AccQâ€¢Tag-Ultra-Performance Liquid Chromatographic Method with Tandem Mass Spectrometry for the Analysis of Amino Acids. Methods in Molecular Biology, 2019, 2030, 191-206.	0.9	15
12	Development and application of subâ€2â€Î¼m particle CO₂â€based chromatography coupled to mass spectrometry for comprehensive analysis of lipids in cottonseed extracts. Rapid Communications in Mass Spectrometry, 2017, 31, 591-605.	1.5	13
13	Plant lipidomics at the crossroads: From technology to biology driven science. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 786-791.	2.4	12
14	GC-MS/MS Profiling of Plant Metabolites. Methods in Molecular Biology, 2022, 2396, 101-115.	0.9	5
15	Non-targeted Lipidomics Using a Robust and Reproducible Lipid Separation Using UPLC with Charged Surface Hybrid Technology and High-Resolution Mass Spectrometry. Methods in Molecular Biology, 2022, 2396, 175-186.	0.9	1
16	Analysis of Grape Volatiles Using Atmospheric Pressure Ionization Gas Chromatography Mass Spectrometry-Based Metabolomics. Methods in Molecular Biology, 2022, 2396, 117-136.	0.9	1
17	Comprehensive Analysis of Plant Lipids Using Sub-2-Î¼m Particle CO2-Based Chromatography Coupled to Mass Spectrometry. Methods in Molecular Biology, 2022, 2396, 187-195.	0.9	0