

Cai Tie

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

482
citations

759055

12
h-index

677027

22
g-index

23
all docs

23
docs citations

23
times ranked

726
citing authors

#	ARTICLE	IF	CITATIONS
1	Capillary electrophoresis-mass spectrometry for analysis of complex samples. <i>Proteomics</i> , 2012, 12, 2991-3012.	1.3	58
2	G-quadruplex based two-stage isothermal exponential amplification reaction for label-free DNA colorimetric detection. <i>Biosensors and Bioelectronics</i> , 2014, 56, 237-242.	5.3	50
3	Derivatization Strategy for the Comprehensive Characterization of Endogenous Fatty Aldehydes Using HPLC-Multiple Reaction Monitoring. <i>Analytical Chemistry</i> , 2016, 88, 7762-7768.	3.2	39
4	Novel identification strategy for ground coffee adulteration based on UPLC-HRMS oligosaccharide profiling. <i>Food Chemistry</i> , 2016, 190, 1046-1049.	4.2	39
5	Polydatin protects the respiratory system from PM2.5 exposure. <i>Scientific Reports</i> , 2017, 7, 40030.	1.6	37
6	HPLC-MRM relative quantification analysis of fatty acids based on a novel derivatization strategy. <i>Analyst</i> , 2014, 139, 6154-6159.	1.7	33
7	Highly sensitive and specific derivatization strategy to profile and quantitate eicosanoids by UPLC-MS/MS. <i>Analytica Chimica Acta</i> , 2017, 950, 108-118.	2.6	29
8	A new labelling reagent for glycans analysis by capillary electrophoresis-mass spectrometry. <i>Analytical Methods</i> , 2012, 4, 357.	1.3	26
9	A label-free DNA hairpin biosensor for colorimetric detection of target with suitable functional DNA partners. <i>Biosensors and Bioelectronics</i> , 2013, 49, 236-242.	5.3	26
10	Development of a hydrophilic interaction liquid chromatography coupled with matrix-assisted laser desorption/ionization-mass spectrometric imaging platform for N-glycan relative quantitation using stable-isotope labeled hydrazide reagents. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4437-4447.	1.9	21
11	Quantitative Proteomics and Targeted Fatty Acids Analysis Reveal the Damage of Triptolide in Liver and Kidney. <i>Proteomics</i> , 2017, 17, 1700001.	1.3	20
12	Automatic Identification Approach for High-Performance Liquid Chromatography-Multiple Reaction Monitoring Fatty Acid Global Profiling. <i>Analytical Chemistry</i> , 2015, 87, 8181-8185.	3.2	19
13	Cocaine detection by structure-switch aptamer-based capillary zone electrophoresis. <i>Electrophoresis</i> , 2012, 33, 1465-1470.	1.3	12
14	The coating of smart pH-responsive polyelectrolyte brushes in capillary and its application in CE. <i>Electrophoresis</i> , 2013, 34, 1352-1358.	1.3	12
15	Perturbed Lipidomic Profiles in Rats With Chronic Cerebral Ischemia Are Regulated by Xiao-Xu-Ming Decoction. <i>Frontiers in Pharmacology</i> , 2019, 10, 264.	1.6	11
16	Star-shaped polymers for DNA sequencing by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2011, 1218, 3037-3041.	1.8	10
17	A fast strategy for profiling and identifying pharmaceutical excipient polysorbates by ultra-high performance liquid chromatography coupled with high-resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1609, 460450.	1.8	10
18	Study of the electrical connection mechanism of sheathless interface for capillary electrophoresis-electrospray ionization-mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1429-1434.	0.7	9

#	ARTICLE	IF	CITATIONS
19	Potential of capillary electrophoresis mass spectrometry for the characterization and monitoring of amine-derivatized naphthenic acids from oil sands process-affected water. Journal of Environmental Sciences, 2016, 49, 203-212.	3.2	8
20	Differential analysis of urinary albumin for membranous nephropathy patients by online capillary isoelectric focusing - Mass spectrometry. Journal of Proteomics, 2020, 216, 103676.	1.2	5
21	Novel strategy for herbal species classification based on UPLC- ² H ¹ HRMS oligosaccharide profiling. Journal of Pharmaceutical and Biomedical Analysis, 2015, 111, 14-20.	1.4	4
22	Deuterated hydrazino-s-triazine as highly-efficient labelling reagent for glycan relative quantification analysis using electrospray ionization mass spectrometry. RSC Advances, 2015, 5, 79317-79322.	1.7	3
23	Sources of coal remains from the Jartai Pass Site in Nilka County, Xinjiang, China. Holocene, 0, , 095968362211012.	0.9	1