

# Zhichang Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

476  
citations

687220

13  
h-index

794469

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

442  
citing authors

#	ARTICLE	IF	CITATIONS
1	Capillary zone electrophoresis-mass spectrometry for top-down proteomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115644.	5.8	58
2	Native Proteomics in Discovery Mode Using Size-Exclusion Chromatography–Capillary Zone Electrophoresis–Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 10095-10099.	3.2	53
3	<scp>CAD</scp>1 and <scp>CCR</scp>2 protein complex formation in monolignol biosynthesis in <i>Populus trichocarpa</i>. <i>New Phytologist</i> , 2019, 222, 244-260.	3.5	43
4	Recent advances (2019–2021) of capillary electrophoresis–mass spectrometry for multilevel proteomics. <i>Mass Spectrometry Reviews</i> , 2023, 42, 617-642.	2.8	43
5	Microscale Reversed-Phase Liquid Chromatography/Capillary Zone Electrophoresis-Tandem Mass Spectrometry for Deep and Highly Sensitive Bottom–Up Proteomics: Identification of 7500 Proteins with Five Micrograms of an MCF7 Proteome Digest. <i>Analytical Chemistry</i> , 2018, 90, 10479-10486.	3.2	35
6	Capillary Zone Electrophoresis–Tandem Mass Spectrometry for Large-Scale Phosphoproteomics with the Production of over 11,000 Phosphopeptides from the Colon Carcinoma HCT116 Cell Line. <i>Analytical Chemistry</i> , 2019, 91, 2201-2208.	3.2	27
7	Automated Capillary Isoelectric Focusing-Tandem Mass Spectrometry for Qualitative and Quantitative Top-Down Proteomics. <i>Analytical Chemistry</i> , 2020, 92, 15890-15898.	3.2	26
8	Investigating native capillary zone electrophoresis-mass spectrometry on a high-end quadrupole-time-of-flight mass spectrometer for the characterization of monoclonal antibodies. <i>International Journal of Mass Spectrometry</i> , 2021, 462, 116541.	0.7	24
9	Predicting Electrophoretic Mobility of Proteoforms for Large-Scale Top-Down Proteomics. <i>Analytical Chemistry</i> , 2020, 92, 3503-3507.	3.2	23
10	Improved Nanoflow RPLC-CZE-MS/MS System with High Peak Capacity and Sensitivity for Nanogram Bottom-up Proteomics. <i>Journal of Proteome Research</i> , 2019, 18, 4046-4054.	1.8	21
11	A bioenergetic shift is required for spermatogonial differentiation. <i>Cell Discovery</i> , 2020, 6, 56.	3.1	21
12	Toward a Universal Sample Preparation Method for Denaturing Top-Down Proteomics of Complex Proteomes. <i>Journal of Proteome Research</i> , 2020, 19, 3315-3325.	1.8	20
13	Recent technical progress in sample preparation and liquid-phase separation-mass spectrometry for proteomic analysis of mass-limited samples. <i>Analytical Methods</i> , 2021, 13, 1214-1225.	1.3	16
14	Capillary Zone Electrophoresis-Tandem Mass Spectrometry As an Alternative to Liquid Chromatography-Tandem Mass Spectrometry for Top-down Proteomics of Histones. <i>Analytical Chemistry</i> , 2021, 93, 4417-4424.	3.2	15
15	Protein disulfide isomerases (PDIs) negatively regulate ebolavirus structural glycoprotein expression in the endoplasmic reticulum (ER) via the autophagy-lysosomal pathway. <i>Autophagy</i> , 2022, 18, 2350-2367.	4.3	12
16	Comprehensive Detection of Single Amino Acid Variants and Evaluation of Their Deleterious Potential in a PANC-1 Cell Line. <i>Journal of Proteome Research</i> , 2020, 19, 1635-1646.	1.8	11
17	Capillary zone electrophoresis-tandem mass spectrometry for top-down proteomics using attapulgite nanoparticles functionalized separation capillaries. <i>Talanta</i> , 2019, 202, 165-170.	2.9	10
18	Nanoparticle-Aided Nanoreactor for Nanoproteomics. <i>Analytical Chemistry</i> , 2021, 93, 10568-10576.	3.2	10

#	ARTICLE	IF	CITATIONS
19	HIV-1 Nef interacts with the cyclin K/CDK13 complex to antagonize SERINC5 for optimal viral infectivity. Cell Reports, 2021, 36, 109514.	2.9	8