

Yan-Long Zhu

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Colloidal Synthesis of Cu ₂ CdSnSe ₄ Nanocrystals and Hot-Pressing to Enhance the Thermoelectric Figure-of-Merit. <i>Journal of the American Chemical Society</i> , 2011, 133, 15910-15913.	6.6	149
2	Structural O-Glycoform Heterogeneity of the SARS-CoV-2 Spike Protein Receptor-Binding Domain Revealed by Top-Down Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2021, 143, 12014-12024.	6.6	48
3	Nanoproteomics enables proteoform-resolved analysis of low-abundance proteins in human serum. <i>Nature Communications</i> , 2020, 11, 3903.	5.8	43
4	High-Throughput Proteomics Enabled by a Photocleavable Surfactant. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8406-8410.	7.2	37
5	Evaluation of Hybrid Theoretical Approaches for Structural Determination of a Glycine-Linked Cisplatin Derivative via Infrared Multiple Photon Dissociation (IRMPD) Action Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2015, 119, 10980-10987.	1.1	35
6	High-Throughput Multi-attribute Analysis of Antibody-Drug Conjugates Enabled by Trapped Ion Mobility Spectrometry and Top-Down Mass Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 10013-10021.	3.2	29
7	Simultaneous Quantification of Protein Expression and Modifications by Top-down Targeted Proteomics: A Case of the Sarcomeric Subproteome. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 594-605.	2.5	27
8	Influence of Sodium Cationization versus Protonation on the Gas-Phase Conformations and Glycosidic Bond Stabilities of 2'-Deoxyadenosine and Adenosine. <i>Journal of Physical Chemistry B</i> , 2016, 120, 8892-8904.	1.2	24
9	Gas-Phase Conformations and N-Glycosidic Bond Stabilities of Sodium Cationized 2'-Deoxyguanosine and Guanosine: Sodium Cations Preferentially Bind to the Guanine Residue. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4048-4060.	1.2	24
10	IRMPD Action Spectroscopy, ER-CID Experiments, and Theoretical Studies of Sodium Cationized Thymidine and 5-Methyluridine: Kinetic Trapping During the ESI Desolvation Process Preserves the Solution Structure of [Thd+Na] ⁺ . <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 2423-2437.	1.2	22
11	Middle-Down Multi-Attribute Analysis of Antibody-Drug Conjugates with Electron Transfer Dissociation. <i>Analytical Chemistry</i> , 2019, 91, 11661-11669.	3.2	22
12	Effects of sodium cationization versus protonation on the conformations and N-glycosidic bond stabilities of sodium cationized Urd and dUrd: solution conformation of [Urd+Na] ⁺ is preserved upon ESI. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17637-17652.	1.3	20
13	Conformations and N-glycosidic bond stabilities of sodium cationized 2'-deoxycytidine and cytidine: Solution conformation of [Cyd + Na] ⁺ is preserved upon ESI. <i>International Journal of Mass Spectrometry</i> , 2018, 429, 18-27.	0.7	20
14	Modified Quadrupole Ion Trap Mass Spectrometer for Infrared Ion Spectroscopy: Application to Protonated Thiated Uridines. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 2125-2137.	1.2	20
15	Discovery of RSV-Induced BRD4 Protein Interactions Using Native Immunoprecipitation and Parallel Accumulation-Serial Fragmentation (PASEF) Mass Spectrometry. <i>Viruses</i> , 2021, 13, 454.	1.5	20
16	Role of tumor necrosis factor alpha-induced protein 1 in paclitaxel resistance. <i>Oncogene</i> , 2014, 33, 3246-3255.	2.6	17
17	Structural and Energetic Effects of 2'-Ribose Methylation of Protonated Purine Nucleosides. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9147-9160.	1.2	16
18	Systemic Metabolic Alterations Correlate with Islet-Level Prostaglandin E2 Production and Signaling Mechanisms That Predict β -Cell Dysfunction in a Mouse Model of Type 2 Diabetes. <i>Metabolites</i> , 2021, 11, 58.	1.3	16

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19	Ultrahigh-Resolution Mass Spectrometry-Based Platform for Plasma Metabolomics Applied to Type 2 Diabetes Research. <i>Journal of Proteome Research</i> , 2021, 20, 463-473.	1.8	15
20	High-Throughput Proteomics Enabled by a Photocleavable Surfactant. <i>Angewandte Chemie</i> , 2020, 132, 8484-8488.	1.6	14
21	Influence of 2-fluoro modification on glycosidic bond stabilities and gas-phase ion structures of protonated pyrimidine nucleosides. <i>Journal of Fluorine Chemistry</i> , 2019, 219, 10-22.	0.9	13
22	MS-Derived Isotopic Fine Structure Reveals Forazoline A as a Thioketone-Containing Marine-Derived Natural Product. <i>Organic Letters</i> , 2020, 22, 1275-1279.	2.4	12
23	Analysis of cardiac troponin proteoforms by top-down mass spectrometry. <i>Methods in Enzymology</i> , 2019, 626, 347-374.	0.4	10
24	Interactions between nonresonant rf fields and atoms with strong spin-exchange collisions. <i>Physical Review A</i> , 2019, 99, .	1.0	10
25	Multomics Method Enabled by Sequential Metabolomics and Proteomics for Human Pluripotent Stem-Cell-Derived Cardiomyocytes. <i>Journal of Proteome Research</i> , 2021, 20, 4646-4654.	1.8	10
26	Influence of Linkage Stereochemistry and Protecting Groups on Glycosidic Bond Stability of Sodium Cationized Glycosyl Phosphates. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 2602-2613.	1.2	8
27	Rapid Analysis of Reduced Antibody Drug Conjugate by Online LC-MS/MS with Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 15096-15103.	3.2	8
28	Relative glycosidic bond stabilities of naturally occurring methylguanosines: 7-methylation is intrinsically activating. <i>European Journal of Mass Spectrometry</i> , 2019, 25, 16-29.	0.5	6
29	Structural and Energetic Effects of 2-Ribose Methylation of Protonated Pyrimidine Nucleosides. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2318-2334.	1.2	5
30	Structures and Relative Glycosidic Bond Stabilities of Protonated 2-Fluoro-Substituted Purine Nucleosides. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1521-1536.	1.2	5
31	Airway fibrin formation cascade in allergic asthma exacerbation: implications for inflammation and remodeling. <i>Clinical Proteomics</i> , 2022, 19, 15.	1.1	3
32	Segmental Bronchial Allergen Challenge Elicits Distinct Metabolic Phenotypes in Allergic Asthma. <i>Metabolites</i> , 2022, 12, 381.	1.3	2