Trisha M Tucholski

List of Publications by Year
in descending order

22	791	759055 12	677027 22
papers	citations	h-index	g-index

22	22	22	929
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification and Quantification of Proteoforms by Mass Spectrometry. Proteomics, 2019, 19, e1800361.	1.3	147
2	Top-Down Proteomics of Large Proteins up to 223 kDa Enabled by Serial Size Exclusion Chromatography Strategy. Analytical Chemistry, 2017, 89, 5467-5475.	3.2	108
3	Top-down Proteomics: Technology Advancements and Applications to Heart Diseases. Expert Review of Proteomics, 2016, 13, 717-730.	1.3	84
4	Distinct hypertrophic cardiomyopathy genotypes result in convergent sarcomeric proteoform profiles revealed by top-down proteomics. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24691-24700.	3.3	67
5	An Unbiased Proteomics Method to Assess the Maturation of Human Pluripotent Stem Cellâ€“Derived Cardiomyocytes. Circulation Research, 2019, 125, 936-953.	2.0	59
6	A five-level classification system for proteoform identifications. Nature Methods, 2019, 16, 939-940.	9.0	55
7	A Top-Down Proteomics Platform Coupling Serial Size Exclusion Chromatography and Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Analytical Chemistry, 2019, 91, 3835-3844.	3.2	37
8	Highâ€Throughput Proteomics Enabled by a Photocleavable Surfactant. Angewandte Chemie - International Edition, 2020, 59, 8406-8410.	7.2	37
9	Bridged Hybrid Monolithic Column Coupled to High-Resolution Mass Spectrometry for Top-Down Proteomics. Analytical Chemistry, 2019, 91, 1743-1747.	3.2	28
10	Simultaneous Quantification of Protein Expression and Modifications by Top-down Targeted Proteomics: A Case of the Sarcomeric Subproteome. Molecular and Cellular Proteomics, 2019, 18, 594-605.	2.5	27
11	Top-Down Proteomics of Endogenous Membrane Proteins Enabled by Cloud Point Enrichment and Multidimensional Liquid Chromatographyâ€“Mass Spectrometry. Analytical Chemistry, 2020, 92, 15726-15735.	3.2	24
12	Highâ€Throughput Proteomics Enabled by a Photocleavable Surfactant. Angewandte Chemie, 2020, 132, 8484-8488.	1.6	14
13	Functionally Integrated Top-Down Proteomics for Standardized Assessment of Human Induced Pluripotent Stem Cell-Derived Engineered Cardiac Tissues. Journal of Proteome Research, 2021, 20, 1424-1433.	1.8	14
14	Top-Down Proteomics Reveals Myofilament Proteoform Heterogeneity among Various Rat Skeletal Muscle Tissues. Journal of Proteome Research, 2020, 19, 446-454.	1.8	13
15	Chemical Control of Quorum Sensing in E.Âcoli: Identification of Small Molecule Modulators of SdiA and Mechanistic Characterization of a Covalent Inhibitor. ACS Infectious Diseases, 2020, 6, 3092-3103.	1.8	13
16	Fourierâ€transform ion cyclotron resonance mass spectrometry for characterizing proteoforms. Mass Spectrometry Reviews, 2022, 41, 158-177.	2.8	12
17	Intact-Mass Analysis Facilitating the Identification of Large Human Heart Proteoforms. Analytical Chemistry, 2019, 91, 10937-10942.	3.2	11
18	Analysis of cardiac troponin proteoforms by top-down mass spectrometry. Methods in Enzymology, 2019, 626, 347-374.	0.4	10

#	Article	IF	Citations
19	Dynamic ADP-Ribosylome, Phosphoproteome, and Interactome in LPS-Activated Macrophages. Journal of Proteome Research, 2020, 19, 3716-3731.	1.8	10
20	The Impact of Phosphorylation on Electron Capture Dissociation of Proteins: A Top-Down Perspective. Journal of the American Society for Mass Spectrometry, 2017, 28, 1805-1814.	1.2	9
21	Back Cover: Identification and Quantification of Proteoforms by Mass Spectrometry. Proteomics, 2019, 19, 1970085.	1.3	9
22	Student-Led Climate Assessment Promotes a Healthier Graduate School Environment. Journal of Chemical Education, 2020, 97, 643-650.	1.1	3