Zachery R Gregorich

List of Publications by Year
in descending order

23 papers	1,486 citations	535685 17 h-index	721071 23 g-index
23 all docs	23 docs citations	23 times ranked	2380 citing authors

#	Article	IF	Citations
1	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
2	An Unbiased Proteomics Method to Assess the Maturation of Human Pluripotent Stem Cellâ€"Derived Cardiomyocytes. Circulation Research, 2019, 125, 936-953.	2.0	59
3	Deletion of Enigma Homologue from the Z-disc slows tension development kinetics in mouse myocardium. Journal of General Physiology, 2019, 151, 670-679.	0.9	6
4	Comprehensive Characterization of Swine Cardiac Troponin T Proteoforms by Top-Down Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2018, 29, 1284-1294.	1.2	15
5	Impact of Phosphorylation on the Mass Spectrometry Quantification of Intact Phosphoproteins. Analytical Chemistry, 2018, 90, 4935-4939.	3.2	17
6	Novel Sarcopenia-related Alterations in Sarcomeric Protein Post-translational Modifications (PTMs) in Skeletal Muscles Identified by Top-down Proteomics. Molecular and Cellular Proteomics, 2018, 17, 134-145.	2.5	36
7	Large Cardiac Muscle Patches Engineered From Human Induced-Pluripotent Stem Cellâ€"Derived Cardiac Cells Improve Recovery From Myocardial Infarction in Swine. Circulation, 2018, 137, 1712-1730.	1.6	332
8	Temperature-sensitive sarcomeric protein post-translational modifications revealed by top-down proteomics. Journal of Molecular and Cellular Cardiology, 2018, 122, 11-22.	0.9	19
9	Distinct sequences and post-translational modifications in cardiac atrial and ventricular myosin light chains revealed by top-down mass spectrometry. Journal of Molecular and Cellular Cardiology, 2017, 107, 13-21.	0.9	28
10	Quantitative Proteomics and Immunohistochemistry Reveal Insights into Cellular and Molecular Processes in the Infarct Border Zone One Month after Myocardial Infarction. Journal of Proteome Research, 2017, 16, 2101-2112.	1.8	18
11	Top-Down Targeted Proteomics Reveals Decrease in Myosin Regulatory Light-Chain Phosphorylation That Contributes to Sarcopenic Muscle Dysfunction. Journal of Proteome Research, 2016, 15, 2706-2716.	1.8	43
12	Top-down Proteomics: Technology Advancements and Applications to Heart Diseases. Expert Review of Proteomics, 2016, 13, 717-730.	1.3	84
13	MASH Suite Pro: A Comprehensive Software Tool for Top-Down Proteomics. Molecular and Cellular Proteomics, 2016, 15, 703-714.	2.5	111
14	Specific Enrichment of Phosphoproteins Using Functionalized Multivalent Nanoparticles. Journal of the American Chemical Society, 2015, 137, 2432-2435.	6.6	61
15	New Mass-Spectrometry-Compatible Degradable Surfactant for Tissue Proteomics. Journal of Proteome Research, 2015, 14, 1587-1599.	1.8	66
16	Three Dimensional Liquid Chromatography Coupling Ion Exchange Chromatography/Hydrophobic Interaction Chromatography/Reverse Phase Chromatography for Effective Protein Separation in Top-Down Proteomics. Analytical Chemistry, 2015, 87, 5363-5371.	3.2	64
17	Comprehensive assessment of chamber-specific and transmural heterogeneity in myofilament protein phosphorylation by top-down mass spectrometry. Journal of Molecular and Cellular Cardiology, 2015, 87, 102-112.	0.9	27
18	MASH Suite: A User-Friendly and Versatile Software Interface for High-Resolution Mass Spectrometry Data Interpretation and Visualization. Journal of the American Society for Mass Spectrometry, 2014, 25, 464-470.	1.2	67

#	Article	IF	Citations
19	Topâ€down proteomics in health and disease: Challenges and opportunities. Proteomics, 2014, 14, 1195-1210.	1.3	169
20	Top-down Proteomics Reveals Concerted Reductions in Myofilament and Z-disc Protein Phosphorylation after Acute Myocardial Infarction. Molecular and Cellular Proteomics, 2014, 13, 2752-2764.	2.5	96
21	Proteomics in heart failure: top-down or bottom-up?. Pflugers Archiv European Journal of Physiology, 2014, 466, 1199-1209.	1.3	46
22	In-depth proteomic analysis of human tropomyosin by top-down mass spectrometry. Journal of Muscle Research and Cell Motility, 2013, 34, 199-210.	0.9	40
23	High throughput screening of disulfideâ€containing proteins in a complex mixture. Proteomics, 2013, 13, 3256-3260.	1.3	15