Shenheng Guan

List of Publications by Year
in descending order

21 papers	832 citations	567281 15 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	1494 citing authors

#	ARTICLE	IF	CITATIONS
1	A New in Vivo Cross-linking Mass Spectrometry Platform to Define Protein–Protein Interactions in Living Cells. Molecular and Cellular Proteomics, 2014, 13, 3533-3543.	3.8	167
2	A Data Processing Pipeline for Mammalian Proteome Dynamics Studies Using Stable Isotope Metabolic Labeling. Molecular and Cellular Proteomics, 2011, 10, M111.010728.	3.8	124
3	Compartment Modeling for Mammalian Protein Turnover Studies by Stable Isotope Metabolic Labeling. Analytical Chemistry, 2012, 84, 4014-4021.	6.5	64
4	Improved Peak Detection and Deconvolution of Native Electrospray Mass Spectra from Large Protein Complexes. Journal of the American Society for Mass Spectrometry, 2015, 26, 2141-2151.	2.8	49
5	Different 2-Aminothiazole Therapeutics Produce Distinct Patterns of Scrapie Prion Neuropathology in Mouse Brains. Journal of Pharmacology and Experimental Therapeutics, 2015, 355, 2-12.	2.5	43
6	Prediction of LC-MS/MS Properties of Peptides from Sequence by Deep Learning. Molecular and Cellular Proteomics, 2019, 18, 2099-2107.	3.8	43
7	Data Processing Algorithms for Analysis of High Resolution MSMS Spectra of Peptides with Complex Patterns of Posttranslational Modifications. Molecular and Cellular Proteomics, 2010, 9, 804-810.	3.8	39
8	Data Dependent–Independent Acquisition (DDIA) Proteomics. Journal of Proteome Research, 2020, 19, 3230-3237.	3.7	39
9	Characterization of Dynamic UbR-Proteasome Subcomplexes by In vivo Cross-linking (X) Assisted Bimolecular Tandem Affinity Purification (XBAP) and Label-free Quantitation. Molecular and Cellular Proteomics, 2016, 15, 2279-2292.	3.8	33
10	Optimal phase modulation in stored wave form inverse Fourier transform excitation for Fourier transform mass spectrometry. I. Basic algorithm. Journal of Chemical Physics, 1990, 92, 5841-5846.	3.0	32
11	Linear response theory of ion excitation for Fourier transform mass spectrometry. Journal of the American Society for Mass Spectrometry, 1991, 2, 483-486.	2.8	30
12	Optimization of Aryl Amides that Extend Survival in Prion-Infected Mice. Journal of Pharmacology and Experimental Therapeutics, 2016, 358, 537-547.	2.5	27
13	Oligomerization between BSU1 Family Members Potentiates Brassinosteroid Signaling in Arabidopsis. Molecular Plant, 2016, 9, 178-181.	8.3	27
14	Repeat-Preserving Decoy Database for False Discovery Rate Estimation in Peptide Identification. Journal of Proteome Research, 2020, 19, 1029-1036.	3.7	24
15	Evidence for sortilin modulating regional accumulation of human tau prions in transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E11029-E11036.	7.1	23
16	High mass selectivity for top-down proteomics by application of SWIFT technology. Journal of the American Society for Mass Spectrometry, 2010, 21, 455-459.	2.8	15
17	Deconvolution Method for Specific and Nonspecific Binding of Ligand to Multiprotein Complex by Native Mass Spectrometry. Analytical Chemistry, 2015, 87, 8541-8546.	6.5	15
18	Optimal phase modulation in stored waveform inverse Fourier transform excitation for Fourier transform mass spectrometry. II. Magnitude spectrum smoothing. Journal of Chemical Physics, 1990, 93, 8442-8445.	3.0	13

#	Article	IF	Citations
19	Generation of optimal excitation pulses for two energy level systems using an inverse Fourier transform method. Journal of Chemical Physics, 1992, 96, 7959-7964.	3.0	13
20	Spindlinâ€1 recognizes methylations of K20 and R23 of histone H4 tail. FEBS Letters, 2018, 592, 4098-4110.	2.8	12
21	Using Mass Spectrometry to Characterize the Complex Posttranslational Modifications of Histones. FASEB Journal, 2006, 20, A100.	0.5	0