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Publications

PUBLICATIONS

- **Using native top-down nESI FTICR-MS to characterize the interaction of tau protein with assembly modulator CLR01**
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- **Native Top-Down Mass Spectrometry and Ion Mobility Spectrometry of the Interaction of Tau Protein with a Molecular Tweezer Assembly Modulator** *JOURNAL OF THE AMERICAN SOCIETY FOR MASS SPECTROMETRY*
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2019; 30 (1): 16–23
- **Native and Denaturing MS Protein Deconvolution for Biopharma: Monoclonal Antibodies and Antibody-Drug-Conjugates to Polydisperse Membrane Proteins and Beyond.** *Analytical chemistry*
Campuzano, I. D., Robinson, J. H., Hui, J. O., Shi, S. D., Netirojjanakul, C., Nshanian, M., Lippens, J. L., Bagal, D., Egea, P. F., Loo, J. A., Bern, M.
2019
- **Enhancing sensitivity of liquid chromatography-mass spectrometry of peptides and proteins using supercharging agents** *INTERNATIONAL JOURNAL OF MASS SPECTROMETRY*
Nshanian, M., Lakshmanan, R., Chen, H., Loo, R., Loo, J. A.
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- **Fixed-Charge Trimethyl Pyridinium Modification for Enabling Enhanced Top-Down Mass Spectrometry Sequencing of Intact Protein Complexes** *ANALYTICAL CHEMISTRY*
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- **Native-MS Analysis of Monoclonal Antibody Conjugates by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry** *ANALYTICAL CHEMISTRY*
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- **Fourier Transform-Ion Cyclotron Resonance Mass Spectrometry as a Platform for Characterizing Multimeric Membrane Protein Complexes** *JOURNAL OF THE AMERICAN SOCIETY FOR MASS SPECTROMETRY*
Lippens, J. L., Nshanian, M., Spahr, C., Egea, P. F., Loo, J. A., Campuzano, I. G.
2018; 29 (1): 183–93
- **Top-down/Bottom-up Mass Spectrometry Workflow Using Dissolvable Polyacrylamide Gels** *ANALYTICAL CHEMISTRY*
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- **Inhibition of Huntingtin Exon-1 Aggregation by the Molecular Tweezer CLR01** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
Voepel, T., Bravo-Rodriguez, K., Mittal, S., Vachharajani, S., Gnutt, D., Sharma, A., Steinhof, A., Fatoba, O., Ellrichmann, G., Nshanian, M., Heid, C., Loo, J. A., Klaener, et al
2017; 139 (16): 5640–43
- **Open-tubular capillary electrochromatography of small polar molecules using etched, chemically modified capillaries** *ELECTROPHORESIS*
Pesek, J. J., Matyska, M. T., Nshanian, M.
2011; 32 (13): 1728–34