

Mass spectrometry

MS-based protein footprinting publications

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Fast photochemical oxidation of proteins for comparing solvent-accessibility changes accompanying protein folding: Data processing and application to barstar

Brian C. Gau, Jiawei Chen, and Michael L. Gross

Biochim Biophys Acta. 2013 Jun;1834(6):1230-8

<https://www.sciencedirect.com/science/article/pii/S1570963913000861>

Fast photochemical oxidation of proteins and mass spectrometry follow submillisecond protein folding at the amino-acid level

Jiawei Chen, Don L. Rempel, Brian C. Gau, and Michael L. Gross

J Am Chem Soc. 2012 Nov 14;134(45):18724-31

<https://pubs.acs.org/doi/10.1021/ja307606f>

New protein footprinting: fast photochemical iodination combined with top-down and bottom-up mass spectrometry

Jiawei Chen, Weidong Cui, Daryl Giblin, and Michael L. Gross

J Am Soc Mass Spectrom. 2012 Aug;23(8):1306-18

<https://pubs.acs.org/doi/10.1007/s13361-012-0403-1>

Mass spectrometry-based protein footprinting characterizes the structures of oligomeric apolipoprotein E2, E3, and E4

Natalie K. Garcia, Alavattam Sreedhara, Galahad Deperalta, and Aaron T. Weckslar

J Am Soc Mass Spectrom. 2020 Jul 1;31(7):1563-1571

<https://pubs.acs.org/doi/10.1021/jasms.0c00146>

Fast photochemical oxidation of proteins maps the topology of intrinsic membrane proteins: light-harvesting complex 2 in a nanodisc

Brian Gau, Kanchan Garai, Carl Frieden, and Michael L. Gross

Biochemistry. 2011 Sep 27;50(38):8117-26

<https://pubs.acs.org/doi/10.1021/bi200911c>

Fast photochemical oxidation of proteins for comparing structures of protein–ligand complexes: the calmodulin–peptide model system

Hao Zhang, Brian C. Gau, Lisa M. Jones, Ilan Vidavsky, and Michael L. Gross

Anal Chem. 2011 Jan 1;83(1):311-8

<https://pubs.acs.org/doi/10.1021/ac102426d>

**Sulfate radical anion as a new reagent for fast
photochemical oxidation of proteins**

Brian C. Gau, Hao Chen, Yun Zhang, and Michael L. Gross

Anal Chem. 2010 Sep 15;82(18):7821-7

<https://pubs.acs.org/doi/10.1021/ac101760y>

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