

# Dustin C Frost

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6338348/publications.pdf>

Version: 2024-02-01

19  
papers

571  
citations

687363

13  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

754  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | High-Resolution Enabled 12-Plex DiLeu Isobaric Tags for Quantitative Proteomics. <i>Analytical Chemistry</i> , 2015, 87, 1646-1654.   | 6.5  | 117       |
| 2  | Comparison of Two-Dimensional Fractionation Techniques for Shotgun Proteomics. <i>Analytical Chemistry</i> , 2008, 80, 6715-6723.   | 6.5  | 114       |
| 3  | Mass Defect-Based $\epsilon$ -N $\epsilon$ , $\epsilon$ -N $\epsilon$ -Dimethyl Leucine Labels for Quantitative Proteomics and Amine Metabolomics of Pancreatic Cancer Cells. <i>Analytical Chemistry</i> , 2017, 89, 1138-1146.                            | 6.5  | 49        |
| 4  | 21-plex DiLeu Isobaric Tags for High-Throughput Quantitative Proteomics. <i>Analytical Chemistry</i> , 2020, 92, 8228-8234.   | 6.5  | 41        |
| 5  | Increased N,N-Dimethyl Leucine Isobaric Tag Multiplexing by a Combined Precursor Isotopic Labeling and Isobaric Tagging Approach. <i>Analytical Chemistry</i> , 2018, 90, 10664-10669.  | 6.5  | 36        |
| 6  | Isobaric Multiplex Labeling Reagents for Carbonyl-Containing Compound (SUGAR) Tags: A Probe for Quantitative Glycomic Analysis. <i>Analytical Chemistry</i> , 2019, 91, 3141-3146.  | 6.5  | 31        |
| 7  | Development and characterization of novel 8 $\epsilon$ -plex DiLeu isobaric labels for quantitative proteomics and peptidomics. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1115-1124.   | 1.5  | 25        |
| 8  | Metadem: An online software tool for mass spectrometry-based isobaric labeling metabolomics. <i>Analytica Chimica Acta</i> , 2019, 1088, 99-106.  | 5.4  | 25        |
| 9  | Quantitative Glycomic Analysis by Mass-Defect-Based Dimethyl Pyrimidinyl Ornithine (DiPyrO) Tags and High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 7817-7823.  | 6.5  | 19        |
| 10 | Recent Advances in Mass Spectrometry-Based Glycoproteomics. <i>Advances in Protein Chemistry and Structural Biology</i> , 2014, 95, 71-123.   | 2.3  | 18        |
| 11 | Mass Defect-Based DiLeu Tagging for Multiplexed Data-Independent Acquisition. <i>Analytical Chemistry</i> , 2020, 92, 11119-11126.  | 6.5  | 18        |
| 12 | Mass Defect-Based Dimethyl Pyrimidinyl Ornithine (DiPyrO) Tags for Multiplex Quantitative Proteomics. <i>Analytical Chemistry</i> , 2017, 89, 10798-10805.  | 6.5  | 15        |
| 13 | HOTMAQ: A Multiplexed Absolute Quantification Method for Targeted Proteomics. <i>Analytical Chemistry</i> , 2019, 91, 2112-2119.  | 6.5  | 15        |
| 14 | High-Throughput Quantitative Proteomics Enabled by Mass Defect-Based 12-Plex DiLeu Isobaric Tags. <i>Methods in Molecular Biology</i> , 2016, 1410, 169-194.  | 0.9  | 12        |
| 15 | High-Resolution Enabled 5-plex Mass Defect-Based $\epsilon$ -N $\epsilon$ , $\epsilon$ -N $\epsilon$ -Dimethyl Leucine Tags for Quantitative Proteomics. <i>Analytical Chemistry</i> , 2019, 91, 7991-7995.   | 6.5  | 11        |
| 16 | Integrated Label-Free and 10-Plex DiLeu Isobaric Tag Quantitative Methods for Profiling Changes in the Mouse Hypothalamic Neuropeptidome and Proteome: Assessment of the Impact of the Gut Microbiome. <i>Analytical Chemistry</i> , 2020, 92, 14021-14030. | 6.5  | 11        |
| 17 | Biomaterials differentially regulate Src kinases and phosphoinositide 3-kinase- $\beta$ in polymorphonuclear leukocyte primary and tertiary granule release. <i>Biomaterials</i> , 2015, 50, 47-55.   | 11.4 | 7         |
| 18 | Highly multiplexed quantitative proteomic and phosphoproteomic analyses in vascular smooth muscle cell dedifferentiation. <i>Analytica Chimica Acta</i> , 2020, 1127, 163-173.  | 5.4  | 4         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | A yeast display immunoprecipitation screen for targeted discovery of antibodies against membrane protein complexes. <i>Protein Engineering, Design and Selection</i> , 2019, 32, 219-230. | 2.1 | 3         |