

# Jürgen H. Gross

## List of Publications by Year in descending order

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21  
papers

759  
citations

759233

12  
h-index

888059

17  
g-index

25  
all docs

25  
docs citations

25  
times ranked

979  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | ESI and tandem MS for mechanistic studies with high-valent transition metal species. Dalton Transactions, 2022, 51, 8625-8639.  | 3.3 | 0         |
| 2  | Negative-ion field desorption revitalized by using liquid injection field desorption/ionization-mass spectrometry on recent instrumentation. Analytical and Bioanalytical Chemistry, 2021, 413, 6845-6855.  | 3.7 | 7         |
| 3  | Poly(2-vinylpyridine) as a reference compound for mass calibration in positive-ion matrix-assisted laser desorption/ionization-mass spectrometry on different instrumental platforms. European Journal of Mass Spectrometry, 2021, 27, 146906672110557.   | 1.0 | 0         |
| 4  | Saccharose cluster ions as mass calibrants in positive-ion direct analysis in real time-mass spectrometry. European Journal of Mass Spectrometry, 2020, 26, 324-331.  | 1.0 | 2         |
| 5  | From the discovery of field ionization to field desorption and liquid injection field desorption/ionization-mass spectrometry: A journey from principles and applications to a glimpse into the future. European Journal of Mass Spectrometry, 2020, 26, 241-273.                                 | 1.0 | 16        |
| 6  | Self-Supplied Liquid Injection Field Desorption/Ionization Ion Source for an Orthogonal Time-of-Flight Instrument. Journal of the American Society for Mass Spectrometry, 2019, 30, 2358-2368.  | 2.8 | 16        |
| 7  | Gold-Catalyzed C(sp <sup>2</sup> )-C(sp) Coupling by Alkynylation through Oxidative Addition of Bromoalkynes. Chemistry - A European Journal, 2019, 25, 9624-9628.  | 3.3 | 47        |
| 8  | Electron Ionization and Chemical Ionization. , 2018, , 334-334.   |     | 1         |
| 9  | Detection of polydimethylsiloxanes transferred from silicone-coated parchment paper to baked goods using direct analysis in real time mass spectrometry. Journal of Mass Spectrometry, 2016, 51, 298-304.   | 1.6 | 12        |
| 10 | Reply to the Comment on: "Analysis of Silicones Released from Household Items and Baby Articles by Direct Analysis in Real Time-Mass Spectrometry" by Jürgen H. Gross. J. Am. Soc. Mass Spectrom. 26, 511-521 (2015). Journal of the American Society for Mass Spectrometry, 2016, 27, 1433-1434. | 2.8 | 0         |
| 11 | High-Mass Capabilities of Positive-Ion and Negative-Ion Direct Analysis in Real Time Mass Spectrometry. European Journal of Mass Spectrometry, 2016, 22, 43-48.   | 1.0 | 5         |
| 12 | Improved procedure for dendrimer-based mass calibration in matrix-assisted laser desorption/ionization-time-of-flight-mass spectrometry. Analytical and Bioanalytical Chemistry, 2016, 408, 5945-5951.  | 3.7 | 6         |
| 13 | Polydimethylsiloxane Extraction from Silicone Rubber into Baked Goods Detected by Direct Analysis in Real-Time Mass Spectrometry. European Journal of Mass Spectrometry, 2015, 21, 313-319.   | 1.0 | 13        |
| 14 | Analysis of Silicones Released from Household Items and Baby Articles by Direct Analysis in Real Time-Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2015, 26, 511-521.  | 2.8 | 30        |
| 15 | Direct analysis in real time: a critical review on DART-MS. Analytical and Bioanalytical Chemistry, 2014, 406, 63-80.   | 3.7 | 365       |
| 16 | High-mass cluster ions of ionic liquids in positive-ion and negative-ion DART-MS and their application for wide-range mass calibrations. Analytical and Bioanalytical Chemistry, 2014, 406, 2853-2862.  | 3.7 | 19        |
| 17 | Polydimethylsiloxane-based wide-range mass calibration for direct analysis in real-time mass spectrometry. Analytical and Bioanalytical Chemistry, 2013, 405, 8663-8668.  | 3.7 | 29        |
| 18 | Reduced fragmentation in liquid injection field desorption/ionization Fourier transform ion cyclotron resonance mass spectrometry by use of helium for the thermalization of molecular ions. Rapid Communications in Mass Spectrometry, 2012, 26, 336-344.  | 1.5 | 18        |

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|----|--|-----|-----------|
| 19 | Molecular ions of ionic liquids in the gas phase. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1347-1352.                                | 2.8 | 67        |
| 20 | Liquid injection field desorption/ionization-mass spectrometry of ionic liquids. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 2254-2262. | 2.8 | 37        |
| 21 | Liquid injection field desorption/ionization of reactive transition metal complexes. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 52-58.               | 3.7 | 69        |