# Hao Chen

List of Publications by Year
in descending order



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|---|---|---|---|
| 55 papers | 2,204 citations | 249298 26 h-index | 252626 46 g-index |
| 61 all docs | 61 docs citations | 61 times ranked | 1746 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Absolute Quantitation of N-Nitrosamines by Coulometric Mass Spectrometry without Using Standards. Journal of the American Society for Mass Spectrometry, 2022, 33, 875-884. | 1.2 | 7 |
| 2 | Rapid quantitative analysis and suspect screening of per-and polyfluorinated alkyl substances (PFASs) in aqueous film-forming foams (AFFFs) and municipal wastewater samples by Nano-ESI-HRMS. Water Research, 2022, 219, 118542. | 5.3 | 12 |
| 3 | Investigation of Tryptic Protein Digestion in Microdroplets and in Bulk Solution. Journal of the American Society for Mass Spectrometry, 2022, 33, 1238-1249. | 1.2 | 14 |
| 4 | Coulometryâ€assisted quantitation in spray ionization mass spectrometry. Journal of Mass Spectrometry, 2021, 56, e4628. | 0.7 | 9 |
| 5 | Electrocatalytic redox neutral [3 + 2] annulation of N-cyclopropylanilines and alkenes. Chemical Science, 2021, 12, 969-975. | 3.7 | 22 |
| 6 | Location of carbonâ€“carbon double bonds in unsaturated lipids using microdroplet mass spectrometry. Analyst, The, 2021, 146, 2550-2558. | 1.7 | 10 |
| 7 | Microdroplet Ultrafast Reactions Speed Antibody Characterization. Analytical Chemistry, 2021, 93, 3997-4005. | 3.2 | 32 |
| 8 | Alkyne Trifunctionalization via Divergent Gold Catalysis: Combining Ï€-Acid Activation, Vinylâ€“Gold Addition, and Redox Catalysis. Journal of the American Chemical Society, 2021, 143, 4074-4082. | 6.6 | 32 |
| 9 | Accelerated Oxidation of Organic Sulfides by Microdroplet Chemistry. Journal of Organic Chemistry, 2021, 86, 5011-5015. | 1.7 | 11 |
| 10 | Absolute Quantitation of Tryptophan-Containing Peptides and Amyloid Î²-Peptide Fragments by Coulometric Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2021, 32, 1771-1779. | 1.2 | 4 |
| 11 | Evaluation of Cyclic Amides as Activating Groups in Nâ€“C Bond Cross-Coupling: Discovery of N-Acyl-Î´-valerolactams as Effective Twisted Amide Precursors for Cross-Coupling Reactions. Journal of Organic Chemistry, 2021, 86, 10455-10466. | 1.7 | 12 |
| 12 | Desalting paper spray mass spectrometry (DPS-MS) for rapid detection of glycans and glycoconjugates. International Journal of Mass Spectrometry, 2021, 469, 116688. | 0.7 | 9 |
| 13 | Ultrafast enzymatic digestion of deoxyribonucleic acid in aqueous microdroplets for sequence discrimination and identification. QRB Discovery, 2021, 2, e4. | 0.6 | 5 |
| 14 | Capture of Electrochemically Generated Fleeting Carbazole Radical Cations and Elucidation of Carbazole Dimerization Mechanism by Mass Spectrometry. Analytical Chemistry, 2020, 92, 15291-15296. | 3.2 | 8 |
| 15 | Fast and Sensitive Detection of Oligosaccharides Using Desalting Paper Spray Mass Spectrometry (DPS-MS). Journal of the American Society for Mass Spectrometry, 2020, 31, 2226-2235. | 1.2 | 14 |
| 16 | Occurrence and Distribution of Per- and Polyfluoroalkyl Substances in Tianjin, China: The Contribution of Emerging and Unknown Analogues. Environmental Science & Technology, 2020, 54, 14254-14264. | 4.6 | 85 |
| 17 | Regioselective Crossed Aldol Reactions under Mild Conditions via Synergistic Gold-Iron Catalysis. CheM, 2020, 6, 1420-1431. | 5.8 | 23 |
| 18 | Absolute Quantitation of Proteins by Coulometric Mass Spectrometry. Analytical Chemistry, 2020, 92, 7877-7883. | 3.2 | 10 |

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|---|---|---|---|
| 19 | N-Acyl-glutarimides: Effect of Glutarimide Ring on the Structures of Fully Perpendicular Twisted Amides and Nâ€“C Bond Cross-Coupling. Journal of Organic Chemistry, 2020, 85, 5475-5485. | 1.7 | 21 |
| 20 | Reaction of chloroauric acid with histidine in microdroplets yields a catalytic Auâ€“(His)<sub>2</sub>complex. Chemical Science, 2020, 11, 2558-2565. | 3.7 | 25 |
| 21 | Gold Redox Catalysis with a Selenium Cation as a Mild Oxidant. Chemistry - A European Journal, 2020, 26, 5946-5950. | 1.7 | 15 |
| 22 | Ultrafast enzymatic digestion of proteins by microdroplet mass spectrometry. Nature Communications, 2020, 11, 1049. | 5.8 | 74 |
| 23 | BODIPY-Based Photoacid Generators for Light-Induced Cationic Polymerization. Organic Letters, 2020, 22, 1208-1212. | 2.4 | 18 |
| 24 | Teflon Spray Ionization Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2020, 31, 234-239. | 1.2 | 17 |
| 25 | Facilitating Gold Redox Catalysis with Electrochemistry: An Efficient Chemicalâ€Oxidantâ€Free Approach. Angewandte Chemie - International Edition, 2019, 58, 17226-17230. | 7.2 | 72 |
| 26 | Absolute Quantitation of Oxidizable Peptides by Coulometric Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2019, 30, 2398-2407. | 1.2 | 12 |
| 27 | Scale-up of microdroplet reactions by heated ultrasonic nebulization. Chemical Science, 2019, 10, 9367-9373. | 3.7 | 44 |
| 28 | Improvements for absolute quantitation using electrochemical mass spectrometry. International Journal of Mass Spectrometry, 2019, 443, 41-45. | 0.7 | 12 |
| 29 | A New Quantification Method Using Electrochemical Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2019, 30, 685-693. | 1.2 | 15 |
| 30 | Direct Evidence for the Origin of Bisâ€Gold Intermediates: Probing Gold Catalysis with Mass Spectrometry. Chemistry - A European Journal, 2018, 24, 2144-2150. | 1.7 | 7 |
| 31 | Conductive Polymer Spray Ionization Mass Spectrometry for Biofluid Analysis. Analytical Chemistry, 2018, 90, 12878-12885. | 3.2 | 39 |
| 32 | Probing specific ligand-protein interactions by native-denatured exchange mass spectrometry. Analytica Chimica Acta, 2018, 1036, 58-65. | 2.6 | 7 |
| 33 | Online Monitoring of Enzymatic Reactions Using Time-Resolved Desorption Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2017, 89, 2338-2344. | 3.2 | 29 |
| 34 | Detection of Fleeting Amine Radical Cations and Elucidation of Chain Processes in Visible-Light-Mediated [3 + 2] Annulation by Online Mass Spectrometric Techniques. Journal of the American Chemical Society, 2017, 139, 12259-12266. | 6.6 | 73 |
| 35 | Development and Applications of Liquid Sample Desorption Electrospray Ionization Mass Spectrometry. Annual Review of Analytical Chemistry, 2016, 9, 411-448. | 2.8 | 22 |
| 36 | Nucleophile promoted gold redox catalysis with diazonium salts: Câ€“Br, Câ€“S and Câ€“P bond formation through catalytic Sandmeyer coupling. Chemical Science, 2016, 7, 6190-6196. | 3.7 | 56 |

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| 37 | Observation of electrochemically generated nitrenium ions by desorption electrospray ionization mass spectrometry. Chemical Science, 2016, 7, 329-332. | 3.7 | 47 |
| 38 | Detection of the Shortâ€Lived Radical Cation Intermediate in the Electrooxidation of N,Nâ€Dimethylaniline by Mass Spectrometry. Angewandte Chemie - International Edition, 2015, 54, 11183-11185. | 7.2 | 83 |
| 39 | Ligandâ€Assisted Goldâ€Catalyzed Crossâ€Coupling with Aryldiazonium Salts: Redox Gold Catalysis without an External Oxidant. Angewandte Chemie - International Edition, 2015, 54, 8772-8776. | 7.2 | 133 |
| 40 | Identification of Fleeting Electrochemical Reaction Intermediates Using Desorption Electrospray Ionization Mass Spectrometry. Journal of the American Chemical Society, 2015, 137, 7274-7277. | 6.6 | 103 |
| 41 | Capture of Reactive Monophosphine-Ligated Palladium(0) Intermediates by Mass Spectrometry. Journal of the American Chemical Society, 2015, 137, 14035-14038. | 6.6 | 53 |
| 42 | Cross-Linking Electrochemical Mass Spectrometry for Probing Protein Three-Dimensional Structures. Analytical Chemistry, 2014, 86, 8983-8991. | 3.2 | 23 |
| 43 | Highly efficient ionization of phosphopeptides at low pH by desorption electrospray ionization mass spectrometry. Analyst, The, 2013, 138, 1321. | 1.7 | 11 |
| 44 | Measuring Proteinâ€“Ligand Interactions Using Liquid Sample Desorption Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2013, 85, 11966-11972. | 3.2 | 31 |
| 45 | Electrochemistry-Assisted Top-Down Characterization of Disulfide-Containing Proteins. Analytical Chemistry, 2012, 84, 3838-3842. | 3.2 | 68 |
| 46 | Coupling of liquid chromatography with mass spectrometry by desorption electrospray ionization (DESI). Chemical Communications, 2011, 47, 4171. | 2.2 | 55 |
| 47 | Direct Ionization of Large Proteins and Protein Complexes by Desorption Electrospray Ionization-Mass Spectrometry. Analytical Chemistry, 2011, 83, 6468-6473. | 3.2 | 95 |
| 48 | Development of Submillisecond Time-Resolved Mass Spectrometry Using Desorption Electrospray Ionization. Analytical Chemistry, 2011, 83, 3994-3997. | 3.2 | 51 |
| 49 | Online Mass Spectrometric Analysis of Proteins/Peptides Following Electrolytic Cleavage of Disulfide Bonds. Journal of Proteome Research, 2011, 10, 1293-1304. | 1.8 | 85 |
| 50 | The study of protein conformation in solution via direct sampling by desorption electrospray ionization mass spectrometry. Journal of the American Society for Mass Spectrometry, 2010, 21, 1730-1736. | 1.2 | 43 |
| 51 | Detection of saccharides by reactive desorption electrospray ionization (DESI) using modified phenylboronic acids. International Journal of Mass Spectrometry, 2010, 289, 98-107. | 0.7 | 64 |
| 52 | Direct analysis of liquid samples by desorption electrospray ionization-mass spectrometry (DESI-MS). Journal of the American Society for Mass Spectrometry, 2009, 20, 10-19. | 1.2 | 143 |
| 53 | Online Coupling of Electrochemical Reactions with Liquid Sample Desorption Electrospray Ionization-Mass Spectrometry. Analytical Chemistry, 2009, 81, 9716-9722. | 3.2 | 84 |
| 54 | cis-Diol functional group recognition by reactive desorption electrospray ionization (DESI). Chemical Communications, 2006, , 597. | 2.2 | 128 |

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|---|---|---|---|
| 55 | A BODIPYâ€Based Farâ€Redâ€Absorbing Fluorescent Probe for Hypochlorous Acid Imaging. ChemPhotoChem, 0, , . | 1.5 | 6 |