

Mei-chun Tseng

List of Publications by Year in descending order

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44
papers

1,137
citations

394421

19
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395702

33
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48
all docs

48
docs citations

48
times ranked

1550
citing authors

#	ARTICLE	IF	CITATIONS
1	Site-Specific Protein Modification through CuI-Catalyzed 1,2,3-Triazole Formation and Its Implementation in Protein Microarray Fabrication. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4286-4290.	13.8	163
2	Functionalized Magnetic Nanoparticles for Small-Molecule Isolation, Identification, and Quantification. <i>Analytical Chemistry</i> , 2007, 79, 3401-3408.	6.5	147
3	Tumor Cells Require Thymidylate Kinase to Prevent dUTP Incorporation during DNA Repair. <i>Cancer Cell</i> , 2012, 22, 36-50.	16.8	56
4	New Chromogenic and Fluorescent Probes for Anion Detection: Formation of a [2 + 2] Supramolecular Complex on Addition of Fluoride with Positive Homotropic Cooperativity. <i>Journal of Organic Chemistry</i> , 2008, 73, 900-911.	3.2	53
5	A Low-Flow CE/Electrospray Ionization MS Interface for Capillary Zone Electrophoresis, Large-Volume Sample Stacking, and Micellar Electrokinetic Chromatography. <i>Analytical Chemistry</i> , 2003, 75, 503-508.	6.5	51
6	Analysis of Synthetic chemical drugs in adulterated Chinese medicines by capillary electrophoresis/electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1473-1480.	1.5	43
7	Dihydrobenzoic acid modified nanoparticle as a MALDI-TOF MS matrix for soft ionization and structure determination of small molecules with diverse structures. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 1930-1939.	2.8	40
8	Efficient pretreatment of lignocellulosic biomass with high recovery of solid lignin and fermentable sugars using Fenton reaction in a mixed solvent. <i>Biotechnology for Biofuels</i> , 2018, 11, 287.	6.2	40
9	Tunnel Frit: A Nonmetallic In-Capillary Frit for Nanoflow Ultra High-Performance Liquid Chromatography-Mass Spectrometry Applications. <i>Analytical Chemistry</i> , 2012, 84, 297-303.	6.5	38
10	Intermediates of copper(i)-catalyzed C-S cross coupling of thiophenol with aryl halide by in situ ESI-MS study. <i>Chemical Communications</i> , 2011, 47, 5599-5601.	4.1	35
11	A Low-Makeup Beveled Tip Capillary Electrophoresis /Electrospray Ionization Mass Spectrometry Interface for Micellar Electrokinetic Chromatography and Nonvolatile Buffer Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2004, 76, 6306-6312.	6.5	34
12	Nanoparticle-assisted MALDI-TOF MS combined with seed-layer surface preparation for quantification of small molecules. <i>Analytica Chimica Acta</i> , 2011, 697, 1-7.	5.4	30
13	Design and performance of a low-flow capillary electrophoresis-electrospray-mass spectrometry interface using an emitter with dual beveled edge. <i>Electrophoresis</i> , 2005, 26, 1376-1382.	2.4	28
14	A beveled tip sheath liquid interface for capillary electrophoresis-electrospray ionization-mass spectrometry. <i>Electrophoresis</i> , 2004, 25, 2084-2089.	2.4	26
15	Sensitivity improvement of CE/ESI/MS analysis of gangliosides using a liquid-junction/low-flow interface. <i>Electrophoresis</i> , 2010, 31, 1138-1143.	2.4	26
16	The Impact of dUTPase on Ribonucleotide Reductase-Induced Genome Instability in Cancer Cells. <i>Cell Reports</i> , 2016, 16, 1287-1299.	6.4	22
17	A novel titanium dioxide-polydimethylsiloxane plate for phosphopeptide enrichment and mass spectrometry analysis. <i>Analytica Chimica Acta</i> , 2014, 812, 105-113.	5.4	21
18	A copper(ii) complex as an intermediate of copper(i)-catalyzed C-N cross coupling of N-phenylaniline with aryl halide by in situ ESI-MS study. <i>Chemical Communications</i> , 2011, 47, 6686.	4.1	20

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19	Analysis of Polymer Additives by Matrix-Assisted Laser Desorption Ionization/Time of Flight Mass Spectrometer Using Delayed Extraction and Collision Induced Dissociation. <i>Journal of the Chinese Chemical Society</i> , 2001, 48, 1017-1027.	1.4	19
20	Synergistic Catalysis by Brønsted Acid/Carbodicarbene Mimicking Frustrated Lewis Pair-Like Reactivity. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19949-19956.	13.8	18
21	Lithiation of a Silyl Ether: Formation of an <i>ortho</i> -Fries Hydroxyketone. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9026-9029.	13.8	17
22	Protonation/Reduction of Carbonyl-Rich Diiron Complexes and the Direct Observation of Triprotonated Species: Insights into the Electrocatalytic Mechanism of Hydrogen Formation. <i>ACS Catalysis</i> , 2016, 6, 2559-2576.	11.2	17
23	Simple fabrication of hydrophobic surface target for increased sensitivity and homogeneity in matrix-assisted laser desorption/ionization time-of-flight mass spectrometry analysis of peptides, phosphopeptides, carbohydrates and proteins. <i>Analytica Chimica Acta</i> , 2013, 783, 31-38.	5.4	16
24	UV-activated multilayer nanomatrix provides one-step tunable carbohydrate structural characterization in MALDI-MS. <i>Chemical Science</i> , 2015, 6, 4790-4800.	7.4	14
25	Direct Oligosaccharide Profiling Using Thin-Layer Chromatography Coupled with Ionic Liquid-Stabilized Nanomatrix-Assisted Laser Desorption-Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 11544-11552.	6.5	14
26	Visual Indicator for Surfactant Abundance in MS-Based Membrane and General Proteomics Applications. <i>Analytical Chemistry</i> , 2010, 82, 8283-8290.	6.5	12
27	Rapid fabrication of functionalized plates for peptides, glycopeptides and protein purification and mass spectrometry analysis. <i>Analyst, The</i> , 2016, 141, 2183-2190.	3.5	12
28	Enhanced Production of Formic Acid in Electrochemical CO ₂ Reduction over Pd-Doped BiOCl Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 58799-58808.	8.0	12
29	Reactivity of [K ₃ (phen) ₈][Cu(NPh ₂) ₂] ³⁺ a possible intermediate in the copper(i)-catalyzed N-arylation of N-phenylaniline. <i>Dalton Transactions</i> , 2014, 43, 7020-7027.	3.3	11
30	Functionalized HgTe nanoparticles promote laser-induced solid phase ionization/dissociation for comprehensive glycan sequencing. <i>Analyst, The</i> , 2016, 141, 6093-6103.	3.5	10
31	Reduced thione ligation is preferred over neutral phosphine ligation in diiron biomimics regarding electronic functionality: a spectroscopic and computational investigation. <i>Chemical Communications</i> , 2017, 53, 332-335.	4.1	8
32	Synthesis, Structure, and Reactivity of [Cu(phen) ₂]ClO ₂ : Aerobic Oxidation of Cl ⁺ to ClO ₂ ⁺ at Room Temperature. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 36-40.	2.0	6
33	DNA Demethylation by DNMT3A and DNMT3B in vitro and of Methylated Episomal DNA in Transiently Transfected Cells. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2018, 1861, 1048-1061.	1.9	6
34	Synergistic Catalysis by Brønsted Acid/Carbodicarbene Mimicking Frustrated Lewis Pair-Like Reactivity. <i>Angewandte Chemie</i> , 2021, 133, 20102-20109.	2.0	6
35	Redox Communication within Multinuclear Iron-Sulfur Complexes Related to Electronic Interplay in the Active Site of [FeFe]Hydrogenase. <i>Chemistry - A European Journal</i> , 2015, 21, 6852-6861.	3.3	5
36	Dioxygen activation by a dinuclear thiolate-ligated Fe(_{ii}) complex. <i>Dalton Transactions</i> , 2019, 48, 379-386.	3.3	4

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37	Dibenzocyclooctendiones (DBCDOs): Arginine-Selective Chemical Labeling Reagents Obtained through Benzilic Acid Rearrangement. <i>Organic Letters</i> , 2022, 24, 4694-4698.	4.6	4
38	Platinum(II)-directed Self-assembly Loop Complexes for Anion Recognition and Sensing. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 141-148.	1.4	3
39	Possible intermediates of Cu(phen)-catalyzed C–O cross-coupling of phenol with an aryl bromide by in situ ESI-MS and EPR studies. <i>Dalton Transactions</i> , 2014, 43, 11410-11417.	3.3	2
40	Serial Morphological Transformations of Au Nanocrystals via Post-Synthetic Galvanic Dissolution and Recursive Growth. <i>Journal of Physical Chemistry C</i> , 2015, 119, 29006-29014.	3.1	2
41	Nanoprobe-based mass spectrometry and Fourier transform infrared spectroscopy for rapid phospholipid profiling. <i>Journal of the Chinese Chemical Society</i> , 0, , .	1.4	2
42	Ligand free copper(i)-catalyzed synthesis of diaryl ether with Cs ₂ CO ₃ via a free radical path. <i>Dalton Transactions</i> , 2015, 44, 12086-12090.	3.3	1
43	One-Pot Glycosylation Strategy Assisted by Ion Mobility-Mass Spectrometry Analysis toward the Synthesis of N-Linked Oligosaccharides. <i>Journal of Organic Chemistry</i> , 2022, , .	3.2	1
44	Expanding the Substrate Specificity of Macro Domains toward 3-Isomer of O-Acetyl-ADP-ribose. <i>ACS Catalysis</i> , 2021, 11, 11075-11090.	11.2	0