

Hilkka I KenttÄmaa

List of Publications by Year in descending order

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210
papers

5,641
citations

94269

37
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118652

62
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211
all docs

211
docs citations

211
times ranked

4023
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of the compound class and functional groups in protonated analytes via diagnostic gas-phase ion-molecule reactions. <i>Mass Spectrometry Reviews</i> , 2023, 42, 1508-1534.	2.8	7
2	Determining the Composition of Carbonate Solvent Systems Used in Lithium-Ion Batteries without Salt Removal. <i>Energies</i> , 2022, 15, 2805.	1.6	0
3	Gas-Phase Reactivity of Phenylcarbyne Anions. <i>Journal of the American Chemical Society</i> , 2022, 144, 8576-8590.	6.6	10
4	Compositional analysis of organosolv poplar lignin by using high-performance liquid chromatography/high-resolution multi-stage tandem mass spectrometry. <i>Green Chemistry</i> , 2021, 23, 983-1000.	4.6	14
5	Modulating the radical reactivity of phenyl radicals with the help of distonic charges: it is all about electrostatic catalysis. <i>Chemical Science</i> , 2021, 12, 4800-4809.	3.7	13
6	Evaluation of process severity on the chemical composition of organosolv switchgrass lignins by using mass spectrometry. <i>Green Chemistry</i> , 2021, 23, 4024-4033.	4.6	3
7	Protonated Ground-State Singlet meta-Pyridynes React from an Excited Triplet State. <i>Journal of Organic Chemistry</i> , 2021, 86, 3249-3260.	1.7	3
8	Characterization of ionized lignin model compounds with β -O-4 linkages by positive and negative ion mode electrospray ionization tandem mass spectrometry based on collision-activated dissociation. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9057.	0.7	2
9	Characterization of Protonated Substituted Ureas by Using Diagnostic Gas-Phase Ion-Molecule Reactions Followed by Collision-Activated Dissociation in Tandem Mass Spectrometry Experiments. <i>Analytical Chemistry</i> , 2021, 93, 7851-7859.	3.2	6
10	Identification of the carboxylic acid functionality in protonated drug metabolite model compounds by using tandem mass spectrometry based on ion-molecule reactions coupled with high performance liquid chromatography. <i>International Journal of Mass Spectrometry</i> , 2021, 463, 116551.	0.7	3
11	Determination of the Chemical Compositions of Condensate-like Oils with Different API Gravities by Using the Distillation, Precipitation, Fractionation Mass Spectrometry (DPF MS) Method. <i>Energy & Fuels</i> , 2021, 35, 8646-8656.	2.5	6
12	Reactivity of para-benzynes in solution and in the gas phase. <i>Tetrahedron Letters</i> , 2021, 74, 153161.	0.7	3
13	Study on the Gas-Phase Reactivity of Charged Pyridynes. <i>Journal of Organic Chemistry</i> , 2021, 86, 9979-9993.	1.7	1
14	Fast Determination of the Lignin Monomer Compositions of Genetic Variants of Poplar <i>via</i> Fast Pyrolysis/Atmospheric Pressure Chemical Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2546-2551.	1.2	4
15	Spin-spin Coupling Controls the Gas-phase Reactivity of Aromatic $\dot{\text{C}}$ -Type Triradicals. <i>Chemistry - A European Journal</i> , 2021, 28, e202102968.	1.7	2
16	Effects of Residual Water in a Linear Quadrupole Ion Trap on the Protonation Sites of 4-Aminobenzoic Acid. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 124-131.	1.2	18
17	Bias, limit of detection, and limit of quantitation for the ASTM D2425 method updated in 2019. <i>Journal of Chromatography A</i> , 2020, 1614, 460705.	1.8	4
18	Losses of CO and CO ₂ upon collision-activated dissociation of substituted 2-methoxyphenoxides after methyl radical loss. <i>International Journal of Mass Spectrometry</i> , 2020, 456, 116397.	0.7	2

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19	Graph-based machine learning interprets and predicts diagnostic isomer-selective ion–molecule reactions in tandem mass spectrometry. <i>Chemical Science</i> , 2020, 11, 11849-11858.	3.7	12
20	Studies of the Fragmentation Mechanisms of Deprotonated Lignin Model Compounds in Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 11895-11903.	3.2	9
21	Direct functionalization of C–H bonds by electrophilic anions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23374-23379.	3.3	21
22	Effects of Analyte Concentration on the Protonation Sites of 4-Aminobenzoic Acid upon Atmospheric Pressure Chemical Ionization As Revealed by Gas-Phase Ion–Molecule Reactions. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 2210-2217.	1.2	7
23	Free-Radical-Mediated Glycan Isomer Differentiation. <i>Analytical Chemistry</i> , 2020, 92, 13794-13802.	3.2	18
24	Comparison of three different analytical protocols for 2019 updated D2425 method for renewable jet fuel product certification analysis. <i>Journal of Chromatography A</i> , 2020, 1634, 461667.	1.8	1
25	Factors Affecting the Limit of Detection for HPLC/Tandem Mass Spectrometry Experiments Based on Gas-Phase Ion–Molecule Reactions. <i>Analytical Chemistry</i> , 2020, 92, 7471-7477.	3.2	10
26	Fragmentation of Saturated Hydrocarbons upon Atmospheric Pressure Chemical Ionization Is Caused by Proton-Transfer Reactions. <i>Analytical Chemistry</i> , 2020, 92, 8883-8892.	3.2	18
27	Effects of the Distance between Radical Sites on the Reactivities of Aromatic Biradicals. <i>Journal of Organic Chemistry</i> , 2020, 85, 8415-8428.	1.7	9
28	Distinguishing Isomeric Aromatic Radical Cations by Using Energy-Resolved Ion Trap and Medium Energy Collision-Activated Dissociation Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 58-65.	1.2	4
29	A review of aviation turbine fuel chemical composition-property relations. <i>Fuel</i> , 2020, 268, 117391.	3.4	45
30	Measurement of the Proton Affinities of a Series of Mono- and Biradicals of Pyridine. <i>Journal of the American Chemical Society</i> , 2020, 142, 8679-8687.	6.6	9
31	Determination of jet fuel system icing inhibitor by GC–GC-FID. <i>Talanta</i> , 2020, 218, 121146.	2.9	3
32	Analyzing and Tuning the Chalcogen–Amine–Thiol Complexes for Tailoring of Chalcogenide Syntheses. <i>Inorganic Chemistry</i> , 2020, 59, 8240-8250.	1.9	14
33	Determination of the chemical compositions of heavy, medium, and light crude oils by using the Distillation, Precipitation, Fractionation Mass Spectrometry (DPF MS) method. <i>Fuel</i> , 2019, 255, 115852.	3.4	9
34	Differentiation of Deprotonated Acyl-, <i>N</i> -, and <i>O</i> -Glucuronide Drug Metabolites by Using Tandem Mass Spectrometry Based on Gas-Phase Ion–Molecule Reactions Followed by Collision-Activated Dissociation. <i>Analytical Chemistry</i> , 2019, 91, 11388-11396.	3.2	14
35	Integration of a Multichannel Pulsed-Valve Inlet System to a Linear Quadrupole Ion Trap Mass Spectrometer for the Rapid Consecutive Introduction of Nine Reagents for Diagnostic Ion/Molecule Reactions. <i>Analytical Chemistry</i> , 2019, 91, 15652-15660.	3.2	10
36	Identification and Quantitation of Linear Alkanes in Lubricant Base Oils by Using GC–GC/EI TOF Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2670-2677.	1.2	12

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37	An Automated Method for Chemical Composition Analysis of Lubricant Base Oils by Using Atmospheric Pressure Chemical Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2014-2021.	1.2	15
38	Exploring the Reaction Mechanisms of Fast Pyrolysis of Xylan Model Compounds via Tandem Mass Spectrometry and Quantum Chemical Calculations. <i>Journal of Physical Chemistry A</i> , 2019, 123, 9149-9157.	1.1	12
39	Spin-Spin Coupling Between Two meta-Benzynes Moieties In a Quinolinium Tetraradical Cation Increases Their Reactivities. <i>Chemistry - A European Journal</i> , 2019, 25, 4472-4477.	1.7	7
40	Identification of Protonated Primary Carbamates by Using Gas-Phase Ion-Molecule Reactions Followed by Collision-Activated Dissociation in Tandem Mass Spectrometry Experiments. <i>Organic Process Research and Development</i> , 2019, 23, 1159-1166.	1.3	4
41	Molecular-Level Understanding of the Major Fragmentation Mechanisms of Cellulose Fast Pyrolysis: An Experimental Approach Based on Isotopically Labeled Model Compounds. <i>Journal of Organic Chemistry</i> , 2019, 84, 7037-7050.	1.7	9
42	Laser-induced acoustic desorption. <i>MRS Bulletin</i> , 2019, 44, 372-381.	1.7	11
43	Relative Reactivities of Three Isomeric Aromatic Biradicals with a 1,4-Biradical Topology Are Controlled by Polar Effects. <i>Chemistry - A European Journal</i> , 2019, 25, 6355-6361.	1.7	10
44	Impact of Alternative Fuel Blending Components on Fuel Composition and Properties in Blends with Jet A. <i>Energy & Fuels</i> , 2019, 33, 3275-3289.	2.5	23
45	Densities, Viscosities, Speeds of Sound, Bulk Moduli, Surface Tensions, and Flash Points of Quaternary Mixtures of <i>n</i> -Dodecane (1), <i>n</i> -Butylcyclohexane (2), <i>n</i> -Butylbenzene (3), and 2,2,4,4,6,8,8-Heptamethylnonane (4) at 0.1 MPa as Potential Surrogate Mixtures for Military Jet Fuel, JP-5. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 1725-1745.	1.0	27
46	Quinoline Triradicals: A Reactivity Study. <i>Journal of the American Chemical Society</i> , 2019, 141, 6672-6679.	6.6	6
47	How to obtain a detailed chemical composition for middle distillates via GC-MS without the need of GC-TOF/MS. <i>Fuel</i> , 2019, 247, 368-377.	3.4	27
48	Investigation of the relative abundances of single-core and multicore compounds in asphaltenes by using high-resolution in-source collision-activated dissociation and medium-energy collision-activated dissociation mass spectrometry with statistical considerations. <i>Fuel</i> , 2019, 246, 126-132.	3.4	25
49	Jet fuel density via GC-MS. <i>Fuel</i> , 2019, 235, 1052-1060.	3.4	47
50	The capability of organic compounds to swell acrylonitrile butadiene O-rings and their effects on O-ring mechanical properties. <i>Fuel</i> , 2019, 238, 483-492.	3.4	22
51	Recent Advances in Petroleum Analysis by Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 156-177.	3.2	73
52	Reactivity of organic \dot{f} , \dot{f} , \dot{f} , \dot{f} , \dot{f} -pentaradicals. <i>International Journal of Mass Spectrometry</i> , 2019, 435, 280-290.	0.7	7
53	Renewable thermoset polymers based on lignin and carbohydrate derived monomers. <i>Green Chemistry</i> , 2018, 20, 1131-1138.	4.6	65
54	Ion/molecule reactions of dimethylamine with protonated analytes facilitate the identification of tertiary N-oxide functionalities in a linear quadrupole ion trap mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 2018, 429, 142-150.	0.7	3

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55	Substituent Effects on the Reactivity of the 2,4,6-Tridehydropyridinium Cation, an Aromatic $\dot{\text{C}}$ -Radical. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6582-6589.	1.2	5
56	Impact of HEFA Feedstocks on Fuel Composition and Properties in Blends with Jet A. <i>Energy & Fuels</i> , 2018, 32, 11595-11606.	2.5	30
57	Dehydration Pathways for Glucose and Cellobiose During Fast Pyrolysis. <i>Journal of Physical Chemistry A</i> , 2018, 122, 8071-8085.	1.1	31
58	Polar Effects Control the Gas-Phase Reactivity of <i>para</i> -Benzynes Analogs. <i>ChemPhysChem</i> , 2018, 19, 2839-2842.	1.0	3
59	Tandem mass spectrometric evaluation of core structures of aromatic compounds after catalytic deoxygenation. <i>Fuel Processing Technology</i> , 2018, 176, 119-123.	3.7	40
60	Differentiating Isomeric Deprotonated Glucuronide Drug Metabolites via Ion/Molecule Reactions in Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 9426-9433.	3.2	16
61	Middle distillates hydrogen content via GC-MS—GC-FID. <i>Talanta</i> , 2018, 186, 140-146.	2.9	36
62	Effects of hydrogen bonding on the gas-phase reactivity of didehydroisoquinolinium cation isomers. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 21567-21572.	1.3	2
63	Molecular profiling of crude oil by using Distillation Precipitation Fractionation Mass Spectrometry (DPF-MS). <i>Fuel</i> , 2018, 234, 492-501.	3.4	12
64	Mechanism of Me-Re Bond Addition to Platinum(II) and Dioxygen Activation by the Resulting Pt-Re Bimetallic Center. <i>Inorganic Chemistry</i> , 2017, 56, 2145-2152.	1.9	10
65	Laser-Induced Acoustic Desorption/Electron Ionization of Amino Acids and Small Peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1091-1098.	1.2	7
66	Identification of Protonated Sulfone and Aromatic Carboxylic Acid Functionalities in Organic Molecules by Using Ion/Molecule Reactions Followed by Collisionally Activated Dissociation in a Linear Quadrupole Ion Trap Mass Spectrometer. <i>Analytical Chemistry</i> , 2017, 89, 7398-7405.	3.2	15
67	An Oxygen-bridged Quinolinium Cation and Its Monoradical Counterpart. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 1407-1412.	1.2	8
68	Initial Products and Reaction Mechanisms for Fast Pyrolysis of Synthetic Lignin Oligomers with β -O-4 Linkages via Online Mass Spectrometry and Quantum Chemical Calculations. <i>ChemistrySelect</i> , 2017, 2, 7185-7193.	0.7	12
69	Identification of Carboxylate, Phosphate, and Phenoxide Functionalities in Deprotonated Molecules Related to Drug Metabolites via Ion/Molecule Reactions with water and Diethylhydroxyborane. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 2189-2200.	1.2	10
70	Analysis of Catalytic Hydrothermal Conversion Jet Fuel and Surrogate Mixture Formulation: Components, Properties, and Combustion. <i>Energy & Fuels</i> , 2017, 31, 13802-13814.	2.5	35
71	Speciation of CuCl and CuCl ₂ Thiol-Amine Solutions and Characterization of Resulting Films: Implications for Semiconductor Device Fabrication. <i>Inorganic Chemistry</i> , 2017, 56, 14396-14407.	1.9	30
72	($\dot{\text{C}}$)ESI/CAD MS ⁿ Procedure for Sequencing Lignin Oligomers Based on a Study of Synthetic Model Compounds with β -O-4 and 5-5 Linkages. <i>Analytical Chemistry</i> , 2017, 89, 13089-13096.	3.2	22

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73	Gas-phase Reactivity of meta-Benzyne Analogs Toward Small Oligonucleotides of Differing Lengths. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1392-1405.	1.2	1
74	Characterization of aromatic organosulfur model compounds relevant to fossil fuels by using atmospheric pressure chemical ionization with CS ₂ and high-resolution tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 953-962.	0.7	15
75	Reactivity Controlling Factors for an Aromatic Carbon-Centered $\dot{f}, \dot{f}, \dot{f}$ -Triradical: The 4,5,8-Tridehydroisoquinolinium Ion. <i>Chemistry - A European Journal</i> , 2016, 22, 809-815.	1.7	5
76	A Fundamental Tandem Mass Spectrometry Study of the Collision-Activated Dissociation of Small Deprotonated Molecules Related to Lignin. <i>ChemSusChem</i> , 2016, 9, 3513-3526.	3.6	15
77	Comparison of Atmospheric Pressure Chemical Ionization and Field Ionization Mass Spectrometry for the Analysis of Large Saturated Hydrocarbons. <i>Analytical Chemistry</i> , 2016, 88, 10592-10598.	3.2	44
78	Identification of the Phenol Functionality in Deprotonated Monomeric and Dimeric Lignin Degradation Products via Tandem Mass Spectrometry Based on Ion-Molecule Reactions with Diethylmethoxyborane. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1813-1823.	1.2	12
79	Alkali Cation Chelation in Cold \hat{I}^2 -O-4 Tetralignol Complexes. <i>Journal of Physical Chemistry A</i> , 2016, 120, 7152-7166.	1.1	6
80	Maleic acid and aluminum chloride catalyzed conversion of glucose to 5-(hydroxymethyl) furfural and levulinic acid in aqueous media. <i>Green Chemistry</i> , 2016, 18, 5219-5229.	4.6	110
81	Gas-phase ion-molecule reactions for the identification of the sulfone functionality in protonated analytes in a linear quadrupole ion trap mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1435-1441.	0.7	9
82	Characterization of Asphaltene Deposits by Using Mass Spectrometry and Raman Spectroscopy. <i>Energy & Fuels</i> , 2016, 30, 805-809.	2.5	47
83	Identification of N-Oxide and Sulfoxide Functionalities in Protonated Drug Metabolites by Using Ion-Molecule Reactions Followed by Collisionally Activated Dissociation in a Linear Quadrupole Ion Trap Mass Spectrometer. <i>Journal of Organic Chemistry</i> , 2016, 81, 575-586.	1.7	22
84	Mechanistic investigation of the Zn/Pd/C catalyzed cleavage and hydrodeoxygenation of lignin. <i>Green Chemistry</i> , 2016, 18, 2399-2405.	4.6	119
85	Total Utilization of Miscanthus Biomass, Lignin and Carbohydrates, Using Earth Abundant Nickel Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2316-2322.	3.2	182
86	Mass Spectrometric Studies of Fast Pyrolysis of Cellulose. <i>European Journal of Mass Spectrometry</i> , 2015, 21, 321-326.	0.5	10
87	Mass spectrometric identification of the N-monosubstituted N-hydroxylamino functionality in protonated analytes via ion/molecule reactions in tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 730-734.	0.7	13
88	Structural Comparison of Asphaltenes of Different Origins Using Multi-stage Tandem Mass Spectrometry. <i>Energy & Fuels</i> , 2015, 29, 1309-1314.	2.5	33
89	Fast Pyrolysis of ¹³ C-Labeled Cellobioses: Gaining Insights into the Mechanisms of Fast Pyrolysis of Carbohydrates. <i>Journal of Organic Chemistry</i> , 2015, 80, 1909-1914.	1.7	37
90	Tandem mass spectrometric characterization of the conversion of xylose to furfural. <i>Biomass and Bioenergy</i> , 2015, 74, 1-5.	2.9	10

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91	Gas-phase reactions of a novel chemical ionization reagent, ClMn ²⁺ , with polar and nonpolar analytes in a linear quadrupole ion trap. <i>International Journal of Mass Spectrometry</i> , 2015, 378, 206-211.	0.7	3
92	Identification of 2-Aminothiazolobenzazepine Metabolites in Human, Rat, Dog, and Monkey Microsomes by Ion-Molecule Reactions in Linear Quadrupole Ion Trap Mass Spectrometry. <i>Drug Metabolism and Disposition</i> , 2015, 43, 358-366.	1.7	10
93	A Mimivirus Enzyme that Participates in Viral Entry. <i>Structure</i> , 2015, 23, 1058-1065.	1.6	22
94	Speciation and kinetic study of iron promoted sugar conversion to 5-hydroxymethylfurfural (HMF) and levulinic acid (LA). <i>Organic Chemistry Frontiers</i> , 2015, 2, 1388-1396.	2.3	46
95	A synergistic biorefinery based on catalytic conversion of lignin prior to cellulose starting from lignocellulosic biomass. <i>Green Chemistry</i> , 2015, 17, 1492-1499.	4.6	370
96	Polar effects control the gas-phase reactivity of charged para-benzyne analogs. <i>International Journal of Mass Spectrometry</i> , 2015, 377, 39-43.	0.7	7
97	Tailoring Biomass for Biochemical, Chemical or Thermochemical Catalytic Conversion. <i>FASEB Journal</i> , 2015, 29, 485.3.	0.2	0
98	On the factors that control the reactivity of meta-benzynes. <i>Chemical Science</i> , 2014, 5, 2205-2215.	3.7	24
99	Identification of the sulfoxide functionality in protonated analytes via ion/molecule reactions in linear quadrupole ion trap mass spectrometry. <i>Analyst</i> , 2014, 139, 4296-4302.	1.7	12
100	Characterization of organosolv switchgrass lignin by using high performance liquid chromatography/high resolution tandem mass spectrometry using hydroxide-doped negative-ion mode electrospray ionization. <i>Green Chemistry</i> , 2014, 16, 2713-2727.	4.6	78
101	Multiported Pulsed Valve Interface for a Linear Quadrupole Ion Trap Mass Spectrometer to Enable Rapid Screening of Multiple Functional-Group Selective Ion-Molecule Reactions. <i>Analytical Chemistry</i> , 2014, 86, 6533-6539.	3.2	13
102	Elucidation of structural information achievable for asphaltene via collision-activated dissociation of their molecular ions in MS _n experiments: A model compound study. <i>Fuel</i> , 2014, 133, 106-114.	3.4	36
103	Identification of the Sulfone Functionality in Protonated Analytes via Ion/Molecule Reactions in a Linear Quadrupole Ion Trap Mass Spectrometer. <i>Journal of Organic Chemistry</i> , 2014, 79, 2883-2889.	1.7	16
104	Comparison of the Reactivity of the Three Distonic Isomers of the Pyridine Radical Cation Toward Tetrahydrofuran in Solution and in the Gas Phase. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 469-480.	1.2	9
105	Analysis of xyloglucans by ambient chloride attachment ionization tandem mass spectrometry. <i>Carbohydrate Polymers</i> , 2013, 98, 1203-1213.	5.1	21
106	A Differentially Pumped Dual Linear Quadrupole Ion Trap (DLQIT) Mass Spectrometer: A Mass Spectrometer Capable of MS _n Experiments Free From Interfering Reactions. <i>Analytical Chemistry</i> , 2013, 85, 11284-11290.	3.2	12
107	Properties and Reactivity of Gaseous Distonic Radical Ions with Aryl Radical Sites. <i>Chemical Reviews</i> , 2013, 113, 6949-6985.	23.0	49
108	Cleavage and hydrodeoxygenation (HDO) of C=O bonds relevant to lignin conversion using Pd/Zn synergistic catalysis. <i>Chemical Science</i> , 2013, 4, 806-813.	3.7	294

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109	Mechanism of MTO-Catalyzed Deoxydehydration of Diols to Alkenes Using Sacrificial Alcohols. <i>Organometallics</i> , 2013, 32, 3210-3219.	1.1	69
110	Comparison of the Structures of Molecules in Coal and Petroleum Asphaltenes by Using Mass Spectrometry. <i>Energy & Fuels</i> , 2013, 27, 3653-3658.	2.5	58
111	Analysis of carbohydrates by atmospheric pressure chloride anion attachment tandem mass spectrometry. <i>Fuel</i> , 2013, 105, 235-246.	3.4	18
112	On-Line Mass Spectrometric Methods for the Determination of the Primary Products of Fast Pyrolysis of Carbohydrates and for Their Gas-Phase Manipulation. <i>Analytical Chemistry</i> , 2013, 85, 10927-10934.	3.2	41
113	Does the 2,6-didehydropyridinium cation exist?. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 707-714.	0.9	12
114	Experimental and Computational Studies on the Formation of Three β -Benzynes Analogues in the Gas Phase. <i>Chemistry - A European Journal</i> , 2013, 19, 9022-9033.	1.7	14
115	Substituent Effects on the Nonradical Reactivity of 4-Dehydropyridinium Cation. <i>Journal of Physical Chemistry A</i> , 2012, 116, 3089-3093.	1.1	6
116	Identification and Counting of Oxygen Functionalities and Alkyl Groups of Aromatic Analytes in Mixtures by Positive-Mode Atmospheric Pressure Chemical Ionization Tandem Mass Spectrometry Coupled with High-Performance Liquid Chromatography. <i>Energy & Fuels</i> , 2012, 26, 2975-2989.	2.5	12
117	High-Performance Liquid Chromatography/High-Resolution Multiple Stage Tandem Mass Spectrometry Using Negative-Ion-Mode Hydroxide-Doped Electrospray Ionization for the Characterization of Lignin Degradation Products. <i>Analytical Chemistry</i> , 2012, 84, 6000-6007.	3.2	94
118	Reactivity of a β,β,β,β -Tetraradical: The 2,4,6-Tridehydropyridine Radical Cation. <i>Journal of the American Chemical Society</i> , 2012, 134, 1926-1929.	6.6	13
119	Separation of Asphaltenes by Reversed-Phase Liquid Chromatography with Fraction Characterization. <i>Energy & Fuels</i> , 2012, 26, 2850-2857.	2.5	21
120	Ion-molecule reactions for the differentiation of primary, secondary and tertiary hydroxyl functionalities in protonated analytes in a tandem mass spectrometer. <i>Analyst</i> , 2012, 137, 5720.	1.7	11
121	A novel chemical ionization reagent ion for organic analytes: the aquachloromanganese(II) cation $[\text{ClMn}(\text{H}_2\text{O})_6]^+$. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 940-942.	0.7	2
122	Reactivity of the 4,5-didehydroisoquinolinium Cation. <i>Chemistry - A European Journal</i> , 2012, 18, 8692-8698.	1.7	12
123	HPLC/APCI Mass Spectrometry of Saturated and Unsaturated Hydrocarbons by Using Hydrocarbon Solvents as the APCI Reagent and HPLC Mobile Phase. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 816-822.	1.2	40
124	Characterization of model compounds of processed lignin and the lignome by using atmospheric pressure ionization tandem mass spectrometry. <i>Fuel</i> , 2012, 95, 634-641.	3.4	47
125	Effects of a Hydroxyl Substituent on the Reactivity of the 2,4,6-Tridehydropyridinium Cation, an Aromatic β,β,β,β -Tiradical. <i>Chemistry - A European Journal</i> , 2012, 18, 969-974.	1.7	10
126	Identification of Epoxide Functionalities in Protonated Monofunctional Analytes by Using Ion/Molecule Reactions and Collision-Activated Dissociation in Different Ion Trap Tandem Mass Spectrometers. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 12-22.	1.2	22

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127	Comparison of Functional Group Selective Ion–Molecule Reactions of Trimethyl Borate in Different Ion Trap Mass Spectrometers. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 520-530.	1.2	20
128	Differentiation of Regioisomeric Aromatic Ketocarboxylic Acids by Positive Mode Atmospheric Pressure Chemical Ionization Collision-Activated Dissociation Tandem Mass Spectrometry in a Linear Quadrupole Ion Trap Mass Spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 670-682.	1.2	14
129	Carbon disulfide reagent allows the characterization of nonpolar analytes by atmospheric pressure chemical ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1924-1928.	0.7	29
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