

Arif Ahmed

List of Publications by Year in descending order

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24
papers

765
citations

623734

14
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24
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all docs

24
docs citations

24
times ranked

767
citing authors

#	ARTICLE	IF	CITATIONS
1	Developments in FT-ICR MS instrumentation, ionization techniques, and data interpretation methods for petroleomics. <i>Mass Spectrometry Reviews</i> , 2015, 34, 248-263.	5.4	184
2	Application of the Mason-Schamp Equation and Ion Mobility Mass Spectrometry To Identify Structurally Related Compounds in Crude Oil. <i>Analytical Chemistry</i> , 2011, 83, 77-83.	6.5	90
3	Hydrogen/deuterium exchange in mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2018, 37, 811-853.	5.4	80
4	Application of Atmospheric Pressure Photo Ionization Hydrogen/Deuterium Exchange High-Resolution Mass Spectrometry for the Molecular Level Speciation of Nitrogen Compounds in Heavy Crude Oils. <i>Analytical Chemistry</i> , 2013, 85, 9758-9763.	6.5	56
5	Elucidating Molecular Structures of Nonalkylated and Short-Chain Alkyl (<i>n</i> ≤ 5). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5</i>	6.5	53
6	Mobility and Ultrahigh-Resolution Mass Spectrometries and Theoretical Collisional Cross-Section Calculations. <i>Analytical Chemistry</i> , 2014, 86, 3300-3307.	6.5	53
6	Atmospheric Pressure Photo Ionization Hydrogen/Deuterium Exchange Mass Spectrometry—a Method to Differentiate Isomers by Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1900-1905.	2.8	40
7	Molecular-level evidence provided by ultrahigh resolution mass spectrometry for oil-derived doc in groundwater at Bemidji, Minnesota. <i>Journal of Hazardous Materials</i> , 2016, 320, 123-132.	12.4	39
8	Mechanisms Behind the Generation of Protonated Ions for Polyaromatic Hydrocarbons by Atmospheric Pressure Photoionization. <i>Analytical Chemistry</i> , 2012, 84, 1146-1151.	6.5	30
9	Attenuation of melanogenesis by <i>Nymphaea nouchali</i> (Burm. f) flower extract through the regulation of cAMP/CREB/MAPKs/MITF and proteasomal degradation of tyrosinase. <i>Scientific Reports</i> , 2018, 8, 13928.	3.3	30
10	Identification of secondary metabolites in <i>Averrhoa carambola</i> L. bark by high-resolution mass spectrometry and evaluation for β -glucosidase, tyrosinase, elastase, and antioxidant potential. <i>Food Chemistry</i> , 2020, 332, 127377.	8.2	22
11	Structural elucidation of nitrogen-containing compounds in polar fractions using double bond equivalence distributions and hydrogen-deuterium exchange mass spectra. <i>Fuel</i> , 2017, 194, 503-510.	6.4	20
12	Optimization and application of atmospheric pressure chemical and photoionization hydrogen-deuterium exchange mass spectrometry for speciation of oxygen-containing compounds. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3281-3293.	3.7	17
13	Application of Atmospheric Pressure Photoionization H/D-exchange Mass Spectrometry for Speciation of Sulfur-containing Compounds. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1687-1695.	2.8	17
14	Mechanistic study on lowering the sensitivity of positive atmospheric pressure photoionization mass spectrometric analyses: size-dependent reactivity of solvent clusters. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 2095-2101.	1.5	16
15	Phytochemical Characterization of <i>Dillenia indica</i> L. Bark by Paper Spray Ionization-Mass Spectrometry and Evaluation of Its Antioxidant Potential Against t-BHP-Induced Oxidative Stress in RAW 264.7 Cells. <i>Antioxidants</i> , 2020, 9, 1099.	5.1	15
16	Application of molecular dynamics simulation to improve the theoretical prediction for collisional cross section of aromatic compounds with long alkyl chains in crude oils. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 650-656.	1.5	13
17	Which Hydrogen Atom of Toluene Protonates PAH molecules in (+)-Mode APPI MS Analysis?. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 316-319.	2.8	12
18	Trimethylsulfonium lead triiodide (TMSPbI ₃) for moisture-stable perovskite solar cells. <i>Sustainable Energy and Fuels</i> , 2021, 5, 4327-4335.	4.9	11

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19	Solvent composition dependent signal reduction of molecular ions generated from aromatic compounds in (+) atmospheric pressure photoionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2018, 32, 973-980.	1.5	6
20	Determining Collision Cross-Sections of Aromatic Compounds in Crude Oil by Using Aromatic Compound Mixture as Calibration Standard. Bulletin of the Korean Chemical Society, 2019, 40, 122-127.	1.9	5
21	Correlation between experimental data of protonation of aromatic compounds at (+) atmospheric pressure photoionization and theoretically calculated enthalpies. Rapid Communications in Mass Spectrometry, 2017, 31, 1023-1030.	1.5	4
22	Protonation Sites of Aromatic Compounds in (+) Atmospheric Pressure Photoionization. Bulletin of the Korean Chemical Society, 2017, 38, 166-176.	1.9	2
23	Systematic Investigation into the Differences in the (+) APPI Efficiencies of Positional (Ortho, Meta, Para) Toluene. Journal of Mass Spectrometry, 2018, 53, 1023-1030.	1.9	2
24	Comparison of Theoretical Calculation Methods for Obtaining Collisional Cross-Section of Aromatic Compounds. Bulletin of the Korean Chemical Society, 2018, 39, 999-1002.	1.9	1