

Chao Qun Huang

List of Publications by Year in descending order

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54
papers

1,156
citations

471371

17
h-index

395590

33
g-index

56
all docs

56
docs citations

56
times ranked

968
citing authors

#	ARTICLE	IF	CITATIONS
1	Isomeric identification of polycyclic aromatic hydrocarbons formed in combustion with tunable vacuum ultraviolet photoionization. <i>Review of Scientific Instruments</i> , 2006, 77, 084101.	0.6	171
2	Identification and Chemistry of C ₄ H ₃ and C ₄ H ₅ Isomers in Fuel-Rich Flames. <i>Journal of Physical Chemistry A</i> , 2006, 110, 3670-3678.	1.1	143
3	An experimental study of the premixed benzene/oxygen/argon flame with tunable synchrotron photoionization. <i>Proceedings of the Combustion Institute</i> , 2007, 31, 555-563.	2.4	131
4	Identification of isomeric C ₅ H ₃ and C ₅ H ₅ free radicals in flame with tunable synchrotron photoionization. <i>Chemical Physics Letters</i> , 2006, 423, 321-326.	1.2	50
5	Modification of photoionization mass spectrometer with synchrotron radiation as ionization source. <i>Review of Scientific Instruments</i> , 2005, 76, 126108.	0.6	46
6	Lean Premixed Gasoline/Oxygen Flame Studied with Tunable Synchrotron Vacuum UV Photoionization. <i>Energy & Fuels</i> , 2006, 20, 1505-1513.	2.5	38
7	Direct identification of propargyl radical in combustion flames by vacuum ultraviolet photoionization mass spectrometry. <i>Journal of Chemical Physics</i> , 2006, 124, 074302.	1.2	36
8	Thermal Decomposition of Glycidyl Azide Polymer Studied by Synchrotron Photoionization Mass Spectrometry. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2449-2455.	1.2	36
9	Absolute Total Photoionization Cross Section of C ₆₀ in the Range of 25–120 eV: Revisited. <i>Journal of the Physical Society of Japan</i> , 2008, 77, 014302.	0.7	34
10	A Vacuum Ultraviolet Photoionization Mass Spectrometric Study of Acetone. <i>Journal of Physical Chemistry A</i> , 2005, 109, 4231-4241.	1.1	33
11	Imaging VOC distribution in cities and tracing VOC emission sources with a novel mobile proton transfer reaction mass spectrometer. <i>Environmental Pollution</i> , 2020, 265, 114628.	3.7	28
12	An Experimental Study of Rich Premixed Gasoline/O ₂ /Ar Flame with Tunable Synchrotron Vacuum Ultraviolet Photoionization. <i>Energy & Fuels</i> , 2007, 21, 1931-1941.	2.5	25
13	Photoabsorption cross section of C ₆₀ thin films from the visible to vacuum ultraviolet. <i>Carbon</i> , 2009, 47, 1152-1157.	5.4	22
14	Rapid analysis and identification of meat species by laser ablation electrospray mass spectrometry (LAESI-MS). <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 116-121.	0.7	22
15	Exhaled breath online measurement for cervical cancer patients and healthy subjects by proton transfer reaction mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5603-5612.	1.9	21
16	Detection of Ketones by a Novel Technology: Dipolar Proton Transfer Reaction Mass Spectrometry (DP-PTR-MS). <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 873-879.	1.2	19
17	Detection of Volatile Organic Compounds in a Drop of Urine by Ultrasonic Nebulization Extraction Proton Transfer Reaction Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 2210-2215.	3.2	19
18	Positive corona discharge ion source with IMS/MS to detect impurities in high purity Nitrogen. <i>EPJ Applied Physics</i> , 2011, 55, 13808.	0.3	16

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19	Ammonia-Assisted Proton Transfer Reaction Mass Spectrometry for Detecting Triacetone Triperoxide (TATP) Explosive. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 501-508.	1.2	16
20	Rapid identification of false peaks in the spectrum of Hadamard transform ion mobility spectrometry with inverse gating technique. <i>RSC Advances</i> , 2015, 5, 56103-56109.	1.7	14
21	Relative Partial Cross Sections for Single, Double, and Triple Photoionization of C ₆₀ and C ₇₀ . <i>Journal of Physical Chemistry A</i> , 2007, 111, 8336-8343.	1.1	12
22	Study on combustion of gasoline/MTBE in laminar flame with synchrotron radiation. <i>Chemosphere</i> , 2007, 67, 2065-2071.	4.2	11
23	VUV dissociative photoionization of CHF ₂ Cl. <i>Journal of Molecular Structure</i> , 2007, 826, 192-197.	1.8	11
24	Rate constants of electron attachment to chlorobenzenes measured by atmospheric pressure nitrogen corona discharge electron attachment ion mobility spectrometry. <i>International Journal of Mass Spectrometry</i> , 2011, 305, 30-34.	0.7	11
25	Glass bottle sampling solid phase microextraction gas chromatography mass spectrometry for breath analysis of drug metabolites. <i>Journal of Chromatography A</i> , 2017, 1496, 20-24.	1.8	11
26	Normal-inverse bimodule operation Hadamard transform ion mobility spectrometry. <i>Analytica Chimica Acta</i> , 2018, 1029, 44-49.	2.6	11
27	Variable VOCs in plastic culture flasks and their potential impact on cell volatile biomarkers. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5397-5408.	1.9	11
28	Development of a New Method for Turbidity Measurement Using Two NIR Digital Cameras. <i>ACS Omega</i> , 2020, 5, 5421-5428.	1.6	10
29	On-line monitoring human breath acetone during exercise and diet by proton transfer reaction mass spectrometry. <i>Bioanalysis</i> , 2019, 11, 33-40.	0.6	9
30	A novel driving mode for ion shutter based on alternating current superposition and its application to ion mobility spectrometry. <i>Sensors and Actuators B: Chemical</i> , 2015, 211, 102-110.	4.0	8
31	Simultaneous Improvement of Resolving Power and Signal-to-Noise Ratio Using a Modified Hadamard Transform-Inverse Ion Mobility Spectrometry Technique. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 2500-2507.	1.2	8
32	Distinguish oral-source VOCs and control their potential impact on breath biomarkers. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 2275-2284.	1.9	8
33	UV Photoionization Study of the Ethyl Radical ¹ . <i>Chemical Research in Chinese Universities</i> , 2006, 22, 375-378.	1.3	7
34	Vacuum Ultraviolet Photoionization Mass Spectrometric Study of Ethylenediamine. <i>Journal of Physical Chemistry A</i> , 2006, 110, 9089-9098.	1.1	7
35	Electron attachment rate constant measurement by photoemission electron attachment ion mobility spectrometry (PE-EA-IMS). <i>Radiation Physics and Chemistry</i> , 2012, 81, 1869-1873.	1.4	7
36	Negative photoionization chloride ion attachment ion mobility spectrometry for the detection of organic acids. <i>RSC Advances</i> , 2014, 4, 63977-63984.	1.7	7

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37	Rapid and sensitive on-line monitoring 6 different kinds of volatile organic compounds in aqueous samples by spray inlet proton transfer reaction mass spectrometry (SI-PTR-MS). <i>Chemosphere</i> , 2017, 177, 217-223.	4.2	7
38	An experimental study of low energy electrons attachment to CH ₂ ClBr using ion mobility spectrometry. <i>International Journal of Mass Spectrometry</i> , 2016, 402, 29-35.	0.7	6
39	Dopant for detection of methamphetamine in the presence of nicotine with ion mobility spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4237-4246.	1.9	6
40	Evaluation of a New DC-Ion Funnel Drift Tube for Use in Proton Transfer Reaction Mass Spectrometry. <i>Analytical Chemistry</i> , 2022, 94, 7174-7180.	3.2	6
41	Velocity map imaging apparatus applicable to a study of multiple photofragmentation of C ₆₀ . <i>Chemical Physics Letters</i> , 2009, 469, 19-25.	1.2	5
42	Proton-extraction-reaction mass spectrometry (PER-MS) for monitoring organic and inorganic compounds. <i>International Journal of Mass Spectrometry</i> , 2014, 371, 36-41.	0.7	5
43	Rate constants of electron attachment to alkyl iodides measured by photoionization electron attachment ion mobility spectrometry (PI-EA-IMS). <i>International Journal of Mass Spectrometry</i> , 2015, 376, 1-5.	0.7	5
44	Analysis of the false peaks in extended Hadamard transform ion mobility spectrometry. <i>International Journal of Mass Spectrometry</i> , 2019, 446, 116230.	0.7	4
45	Modification of an atmospheric pressure photoionization source for online analysis of exhaled breath coupled with quadrupole time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3663-3671.	1.9	4
46	Dissociative photoionization of ethyl acrylate: Theoretical and experimental insights. <i>Journal of Molecular Structure</i> , 2015, 1094, 83-90.	1.8	3
47	Laser Ablation Electrospray Ionization Time-of-Flight Mass Spectrometry for Direct Analysis of Biological Tissue. <i>Journal of Analytical Methods in Chemistry</i> , 2019, 2019, 1-7.	0.7	3
48	Combustion study with synchrotron radiation single-photon ionization technique. <i>Science Bulletin</i> , 2005, 50, 1082.	1.7	2
49	Dissociative photoionization of perfluorocyclobutane and <i>cis</i> -1,1,2,2,3,4-hexafluorocyclobutane. <i>Journal of Physics: Conference Series</i> , 2011, 288, 012021.	0.3	2
50	Analysis of Nitrogen-containing Compounds in Mouth-exhaled Breath by Electrospray Ionization Quadrupole Time-of-Flight Mass Spectrometry. <i>Analytical Sciences</i> , 2019, 35, 1155-1159.	0.8	2
51	The study of photoionization and fragmentation of CHF ₂ Cl: experiment and quantum chemical calculation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 144-147, 191-194.	0.8	1
52	VUV Photoionization Study of the Allyl Radical from Premixed Gasoline/Oxygen Flame. <i>Chinese Journal of Chemical Physics</i> , 2006, 19, 25-28.	0.6	1
53	Analysis of volatile organic compounds in exhaled breath after radiotherapy. <i>Journal of Zhejiang University: Science B</i> , 2022, 23, 153-157.	1.3	1
54	Identifying combustion intermediates in premixed MTBE/gasoline/oxygen flame probed via synchrotron radiation. <i>Frontiers of Energy and Power Engineering in China</i> , 2007, 1, 79-84.	0.4	0