

Yannan Chu

List of Publications by Year in descending order

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34
papers

395
citations

840776

11
h-index

839539

18
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35
all docs

35
docs citations

35
times ranked

384
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinguish oral-source VOCs and control their potential impact on breath biomarkers. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 2275-2284.	3.7	8
2	Analysis of volatile organic compounds in exhaled breath after radiotherapy. <i>Journal of Zhejiang University: Science B</i> , 2022, 23, 153-157.	2.8	1
3	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.	6.5	6
4	Dopant for detection of methamphetamine in the presence of nicotine with ion mobility spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4237-4246.	3.7	6
5	Distinguishing between halogenated alkanes containing the same halogen based on the reaction kinetic parameter using negative ion mobility spectrometry at atmospheric pressure. <i>RSC Advances</i> , 2020, 10, 29441-29449.	3.6	0
6	Variable VOCs in plastic culture flasks and their potential impact on cell volatile biomarkers. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5397-5408.	3.7	11
7	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.	7.5	28
8	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.	3.7	4
9	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.	1.6	3
10	Standardization study of expiratory conditions for on-line breath testing by proton transfer reaction mass spectrometry. <i>Analytical Biochemistry</i> , 2019, 581, 113344.	2.4	10
11	Kinetic and equilibrium of U(VI) biosorption onto the resistant bacterium <i>Bacillus amyloliquefaciens</i> . <i>Journal of Environmental Radioactivity</i> , 2019, 203, 117-124.	1.7	37
12	V-shaped ion funnel proton transfer reaction mass spectrometry. <i>Instrumentation Science and Technology</i> , 2019, 47, 410-422.	1.8	0
13	On-line monitoring human breath acetone during exercise and diet by proton transfer reaction mass spectrometry. <i>Bioanalysis</i> , 2019, 11, 33-40.	1.5	9
14	Portable fluorescence-based microRNA detection system based on isothermal signal amplification technology. <i>Biotechnology and Applied Biochemistry</i> , 2019, 66, 82-90.	3.1	9
15	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.	2.8	16
16	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.	1.6	2
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.	6.5	19
18	Normal-inverse bimodule operation Hadamard transform ion mobility spectrometry. <i>Analytica Chimica Acta</i> , 2018, 1029, 44-49.	5.4	11

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19	Removal of radionuclide U(VI) from aqueous solution by the resistant fungus <i>Absidia corymbifera</i> . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 1151-1160.	1.5	14
20	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.	8.2	7
21	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.	3.7	11
22	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.	2.8	19
23	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.	2.8	8
24	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.	3.7	21
25	Exhaled gases online measurements for esophageal cancer patients and healthy people by proton transfer reaction mass spectrometry. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2016, 31, 1837-1843.	2.8	34
26	Application of a self-developed proton transfer reaction-mass spectrometer to on-line monitoring trace volatile organic compounds in ambient air. <i>Chemical Research in Chinese Universities</i> , 2016, 32, 565-569.	2.6	11
27	Online exhaled gas measurements for radiotherapy patients by proton transfer reaction mass spectrometry. <i>Journal of Environmental Radioactivity</i> , 2016, 160, 135-140.	1.7	8
28	Rapid analysis and identification of meat species by laser ablation electrospray mass spectrometry (LAESI-EMS). <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 116-121.	1.5	22
29	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.	1.5	6
30	Spray Inlet Proton Transfer Reaction Mass Spectrometry (SI-PTR-MS) for Rapid and Sensitive Online Monitoring of Benzene in Water. <i>Analytical Chemistry</i> , 2016, 88, 3144-3148.	6.5	20
31	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.	7.8	8
32	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.	3.6	14
33	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.	1.5	5
34	Negative photoionization chloride ion attachment ion mobility spectrometry for the detection of organic acids. <i>RSC Advances</i> , 2014, 4, 63977-63984.	3.6	7