

Hauh-Jyun Candy Chen

List of Publications by Year in descending order

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42
papers

883
citations

331670

21
h-index

501196

28
g-index

42
all docs

42
docs citations

42
times ranked

716
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple oxidative and advanced oxidative modifications of hemoglobin in gastric cancer patients measured by nanoflow LC-MS/MS. <i>Clinica Chimica Acta</i> , 2022, 531, 137-144.	1.1	5
2	Quantitation of Nitration, Chlorination, and Oxidation in Hemoglobin of Breast Cancer Patients by Nanoflow Liquid Chromatography Tandem Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2021, 34, 1664-1671.	3.3	8
3	Analysis of cysteine glutathionylation in hemoglobin of gastric cancer patients using nanoflow liquid chromatography/triple-stage mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8588.	1.5	5
4	Analysis of Oxidative and Advanced Oxidative Modifications in Hemoglobin of Oral Cancer Patients by Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 724-731.	6.5	8
5	Correlation between Glyoxal-Induced DNA Cross-Links and Hemoglobin Modifications in Human Blood Measured by Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2019, 32, 179-189.	3.3	10
6	Stability of glyoxal- and methylglyoxal-modified hemoglobin on dried blood spot cards as analyzed by nanoflow liquid chromatography tandem mass spectrometry. <i>Journal of Food and Drug Analysis</i> , 2019, 27, 526-530.	1.9	6
7	Age-Associated Methylation in Human Hemoglobin and Its Stability on Dried Blood Spots As Analyzed by Nanoflow Liquid Chromatography Tandem Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2018, 31, 1240-1247.	3.3	5
8	Simultaneous Mass Spectrometric Analysis of Methylated and Ethylated Peptides in Human Hemoglobin: Correlation with Cigarette Smoking. <i>Chemical Research in Toxicology</i> , 2017, 30, 2074-2083.	3.3	12
9	A Stable Isotope Dilution Nanoflow Liquid Chromatography Tandem Mass Spectrometry Assay for the Simultaneous Detection and Quantification of Glyoxal-Induced DNA Cross-Linked Adducts in Leukocytes from Diabetic Patients. <i>Analytical Chemistry</i> , 2017, 89, 13082-13088.	6.5	12
10	Analysis of Chlorination, Nitration, and Nitrosylation of Tyrosine and Oxidation of Methionine and Cysteine in Hemoglobin from Type 2 Diabetes Mellitus Patients by Nanoflow Liquid Chromatography Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 9276-9284.	6.5	30
11	Stability and Application of Reactive Nitrogen and Oxygen Species-Induced Hemoglobin Modifications in Dry Blood Spots As Analyzed by Liquid Chromatography Tandem Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2016, 29, 2157-2163.	3.3	9
12	Mass Spectrometric Analysis of Glyoxal and Methylglyoxal-Induced Modifications in Human Hemoglobin from Poorly Controlled Type 2 Diabetes Mellitus Patients. <i>Chemical Research in Toxicology</i> , 2015, 28, 2377-2389.	3.3	31
13	Multistage Mass Spectrometric Analysis of Human Hemoglobin Glutathionylation: Correlation with Cigarette Smoking. <i>Chemical Research in Toxicology</i> , 2014, 27, 864-872.	3.3	33
14	Noninvasive measurement of smoking-associated N3-ethyladenine and N7-ethylguanine in human salivary DNA by stable isotope dilution nanoflow liquid chromatography-nanospray ionization tandem mass spectrometry. <i>Toxicology Letters</i> , 2014, 225, 27-33.	0.8	18
15	Detection and simultaneous quantification of three smoking-related ethylthymidine adducts in human salivary DNA by liquid chromatography tandem mass spectrometry. <i>Toxicology Letters</i> , 2014, 224, 101-107.	0.8	21
16	Simultaneous quantification of ethylpurine adducts in human urine by stable isotope dilution nanoflow liquid chromatography nanospray ionization tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1322, 69-73.	3.7	10
17	Simultaneous quantitative analysis of N3-ethyladenine and N7-ethylguanine in human leukocyte deoxyribonucleic acid by stable isotope dilution capillary liquid chromatography-nanospray ionization tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1271, 86-94.	3.7	20
18	Analysis of Ethylated Thymidine Adducts in Human Leukocyte DNA by Stable Isotope Dilution Nanoflow Liquid Chromatography-nanospray Ionization Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 2521-2527.	6.5	31

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19	Reactive Nitrogen Oxide Species-Induced Post-Translational Modifications in Human Hemoglobin and the Association with Cigarette Smoking. <i>Analytical Chemistry</i> , 2012, 84, 7881-7890.	6.5	42
20	Quantitative Analysis of Multiple Exocyclic DNA Adducts in Human Salivary DNA by Stable Isotope Dilution Nanoflow Liquid Chromatography-Nanospray Ionization Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 8543-8551.	6.5	56
21	Analysis of DNA adducts in human samples: Acrolein-derived exocyclic DNA adducts as an example. <i>Molecular Nutrition and Food Research</i> , 2011, 55, 1391-1400.	3.3	17
22	Simultaneous Quantification of Three Lipid Peroxidation-Derived Etheno Adducts in Human DNA by Stable Isotope Dilution Nanoflow Liquid Chromatography Nanospray Ionization Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 4486-4493.	6.5	27
23	Simultaneous Quantification of 1, N ² -Propano-2-deoxyguanosine Adducts Derived from Acrolein and Crotonaldehyde in Human Placenta and Leukocytes by Isotope Dilution Nanoflow LC Nanospray Ionization Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 9812-9818.	6.5	42
24	Analysis of Glyoxal-Induced DNA Cross-Links by Capillary Liquid Chromatography Nanospray Ionization Tandem Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2009, 22, 1334-1341.	3.3	23
25	H ₂ O ₂ /Nitrite-Induced Post-translational Modifications of Human Hemoglobin Determined by Mass Spectrometry: Redox Regulation of Tyrosine Nitration and Nitrotyrosine Reduction by Antioxidants. <i>ChemBioChem</i> , 2008, 9, 312-323.	2.6	29
26	Investigation of DNA-Protein Cross-Link Formation between Lysozyme and Oxanine by Mass Spectrometry. <i>ChemBioChem</i> , 2008, 9, 1074-1081.	2.6	14
27	Simultaneous detection and quantification of 3-nitrotyrosine and 3-bromotyrosine in human urine by stable isotope dilution liquid chromatography tandem mass spectrometry. <i>Toxicology Letters</i> , 2008, 181, 31-39.	0.8	28
28	Characterization of DNA-Protein Cross-Links Induced by Oxanine: Cellular Damage Derived from Nitric Oxide and Nitrous Acid. <i>Biochemistry</i> , 2007, 46, 3952-3965.	2.5	11
29	Effect of gender and cigarette smoking on urinary excretion of etheno DNA adducts in humans measured by isotope dilution gas chromatography/mass spectrometry. <i>Toxicology Letters</i> , 2007, 169, 72-81.	0.8	10
30	Association between Cigarette Smoking and Urinary Excretion of 1,N ² -Ethenoguanine Measured by Isotope Dilution Liquid Chromatography-Electrospray Ionization/Tandem Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2005, 18, 1593-1599.	3.3	28
31	Measurement of urinary excretion of 5-hydroxymethyluracil in human by GC/NICI/MS. <i>Toxicology Letters</i> , 2005, 155, 403-410.	0.8	25
32	Urinary Excretion of 3,N ⁴ -Etheno-2-deoxycytidine in Humans as a Biomarker of Oxidative Stress: Association with Cigarette Smoking. <i>Chemical Research in Toxicology</i> , 2004, 17, 896-903.	3.3	30
33	Quantification of Urinary Excretion of 1,N ⁶ -Ethenoadenine, a Potential Biomarker of Lipid Peroxidation, in Humans by Stable Isotope Dilution Liquid Chromatography-Electrospray Ionization-Tandem Mass Spectrometry: Comparison with Gas Chromatography-Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2004, 17, 963-971.	3.3	31
34	Hemoprotein-mediated reduction of nitrated DNA bases in the presence of reducing agents. <i>Free Radical Biology and Medicine</i> , 2003, 34, 254-268.	2.9	13
35	Detection and Quantification of 1,N ⁶ -Ethenoadenine in Human Urine by Stable Isotope Dilution Capillary Gas Chromatography/Negative Ion Chemical Ionization/Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2003, 16, 1099-1106.	3.3	25
36	Biological and dietary antioxidants protect against DNA nitration induced by reaction of hypochlorous acid with nitrite. <i>Archives of Biochemistry and Biophysics</i> , 2003, 415, 109-116.	3.0	15

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37	Effect of Cigarette Smoking on Urinary 3,N4-Ethenocytosine Levels Measured by Gas Chromatography/Mass Spectrometry. <i>Toxicological Sciences</i> , 2003, 76, 321-327.	3.1	21
38	Detection and Quantification of 5-Chlorocytosine in DNA by Stable Isotope Dilution and Gas Chromatography/Negative Ion Chemical Ionization/Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2002, 15, 262-268.	3.3	31
39	Role of Nitrite on Nitration of 2-Deoxyguanosine by Nitryl Chloride. <i>Journal of the Chinese Chemical Society</i> , 2002, 49, 275-281.	1.4	2
40	Lipoyl dehydrogenase catalyzes reduction of nitrated DNA and protein adducts using dihydrolipoic acid or ubiquinol as the cofactor. <i>Chemico-Biological Interactions</i> , 2002, 140, 199-213.	4.0	23
41	8-Nitroxanthine, an Adduct Derived from 2-Deoxyguanosine or DNA Reaction with Nitryl Chloride. <i>Chemical Research in Toxicology</i> , 2001, 14, 536-546.	3.3	34
42	DNA Adducts of 2,3-Epoxy-4-hydroxynonanal: Detection of 7-(1,2-Dihydroxyheptyl)-3H-imidazo[2,1-i]purine and 1,N6-Ethnoadenine by Gas Chromatography/Negative Ion Chemical Ionization/Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 1998, 11, 1474-1480.	3.3	32