

Peter W Villalta

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | In Vivo Identification of Adducts from the New Hypoxia-Activated Prodrug CP-506 Using DNA Adductomics. <i>Chemical Research in Toxicology</i> , 2022, 35, 275-282. | 1.7 | 8 |
| 2 | The Cooked Meat Carcinogen 2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine Hair Dosimeter, DNA Adductomics Discovery, and Associations with Prostate Cancer Pathology Biomarkers. <i>Chemical Research in Toxicology</i> , 2022, 35, 703-730. | 1.7 | 4 |
| 3 | Identification of New Markers of Alcohol-Derived DNA Damage in Humans. <i>Biomolecules</i> , 2021, 11, 366. | 1.8 | 19 |
| 4 | Extension of Diagnostic Fragmentation Filtering for Automated Discovery in DNA Adductomics. <i>Analytical Chemistry</i> , 2021, 93, 5754-5762. | 3.2 | 11 |
| 5 | Comprehensive Analysis of DNA Adducts Using Data-Independent wSIM/MS ² Acquisition and wSIM-City. <i>Analytical Chemistry</i> , 2021, 93, 6491-6500. | 3.2 | 11 |
| 6 | Small RNAs are modified with N-glycans and displayed on the surface of living cells. <i>Cell</i> , 2021, 184, 3109-3124.e22. | 13.5 | 260 |
| 7 | Identification of new candidate biomarkers to support doxorubicin treatments in canine cancer patients. <i>BMC Veterinary Research</i> , 2021, 17, 378. | 0.7 | 4 |
| 8 | Nanoscale battery cathode materials induce DNA damage in bacteria. <i>Chemical Science</i> , 2020, 11, 11244-11258. | 3.7 | 8 |
| 9 | Extracellular matrix stiffness determines DNA repair efficiency and cellular sensitivity to genotoxic agents. <i>Science Advances</i> , 2020, 6, . | 4.7 | 44 |
| 10 | Biosynthesis, Mechanism of Action, and Inhibition of the Enterotoxin Tilimycin Produced by the Opportunistic Pathogen <i>Klebsiella oxytoca</i> . <i>ACS Infectious Diseases</i> , 2020, 6, 1976-1997. | 1.8 | 18 |
| 11 | Applying Tobacco, Environmental, and Dietary-Related Biomarkers to Understand Cancer Etiology and Evaluate Prevention Strategies. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 1904-1919. | 1.1 | 4 |
| 12 | Development of a DNA Adductome Mass Spectral Database. <i>Chemical Research in Toxicology</i> , 2020, 33, 852-854. | 1.7 | 16 |
| 13 | A novel terpenoid class for prevention and treatment of KRAS-driven cancers: Comprehensive analysis using in situ, in vitro, and in vivo model systems. <i>Molecular Carcinogenesis</i> , 2020, 59, 886-896. | 1.3 | 9 |
| 14 | Metabolomics Profiles of Smokers from Two Ethnic Groups with Differing Lung Cancer Risk. <i>Chemical Research in Toxicology</i> , 2020, 33, 2087-2098. | 1.7 | 14 |
| 15 | Cross-linking of the DNA repair protein O6-alkylguanine DNA alkyltransferase to DNA in the presence of cisplatin. <i>DNA Repair</i> , 2020, 89, 102840. | 1.3 | 5 |
| 16 | Reactivity of an Unusual Amidase May Explain Colibactin's DNA Cross-Linking Activity. <i>Journal of the American Chemical Society</i> , 2019, 141, 11489-11496. | 6.6 | 46 |
| 17 | Fragmentation Spectra Prediction and DNA Adducts Structural Determination. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2771-2784. | 1.2 | 10 |
| 18 | Targeted High Resolution LC/MS ³ Adductomics Method for the Characterization of Endogenous DNA Damage. <i>Frontiers in Chemistry</i> , 2019, 7, 658. | 1.8 | 23 |

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|----|--|-----|-----------|
| 19 | Methods and Challenges for Computational Data Analysis for DNA Adductomics. <i>Chemical Research in Toxicology</i> , 2019, 32, 2156-2168. | 1.7 | 16 |
| 20 | Bioanalytical and Mass Spectrometric Methods for Aldehyde Profiling in Biological Fluids. <i>Toxics</i> , 2019, 7, 32. | 1.6 | 33 |
| 21 | Methyl DNA phosphate adduct formation in lung tumor tissue and adjacent normal tissue of lung cancer patients. <i>Carcinogenesis</i> , 2019, 40, 1387-1394. | 1.3 | 7 |
| 22 | The human gut bacterial genotoxin colibactin alkylates DNA. <i>Science</i> , 2019, 363, . | 6.0 | 389 |
| 23 | Analysis of Acrolein-Derived 1, <i>N</i> ² -Propanodeoxyguanosine Adducts in Human Lung DNA from Smokers and Nonsmokers. <i>Chemical Research in Toxicology</i> , 2019, 32, 318-325. | 1.7 | 33 |
| 24 | Identification of more than 100 structurally unique DNA-phosphate adducts formed during rat lung carcinogenesis by the tobacco-specific nitrosamine 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. <i>Carcinogenesis</i> , 2018, 39, 232-241. | 1.3 | 24 |
| 25 | Analysis and Identification of 2-Deoxyadenosine-Derived Adducts in Lung and Liver DNA of F-344 Rats Treated with the Tobacco-Specific Carcinogen 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone and Enantiomers of its Metabolite 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol. <i>Chemical Research in Toxicology</i> , 2018, 31, 358-370. | 1.7 | 22 |
| 26 | Methyl DNA Phosphate Adduct Formation in Rats Treated Chronically with 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone and Enantiomers of Its Metabolite 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol. <i>Chemical Research in Toxicology</i> , 2018, 31, 48-57. | 1.7 | 16 |
| 27 | Targeted and Untargeted Detection of DNA Adducts of Aromatic Amine Carcinogens in Human Bladder by Ultra-Performance Liquid Chromatography-High-Resolution Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2018, 31, 1382-1397. | 1.7 | 39 |
| 28 | In Vivo Stable-Isotope Labeling and Mass-Spectrometry-Based Metabolic Profiling of a Potent Tobacco-Specific Carcinogen in Rats. <i>Analytical Chemistry</i> , 2018, 90, 11863-11872. | 3.2 | 10 |
| 29 | DNA Adduct Profiles Predict In Vitro Cell Viability after Treatment with the Experimental Anticancer Prodrug PR104A. <i>Chemical Research in Toxicology</i> , 2017, 30, 830-839. | 1.7 | 13 |
| 30 | P3.01-052 DNA Adductomics to Identify the Role of Inflammation in NNK-Induced Lung Carcinogenesis. <i>Journal of Thoracic Oncology</i> , 2017, 12, S1151-S1152. | 0.5 | 0 |
| 31 | Mass Spectrometry Based Proteomics Study of Cisplatin-Induced DNA-Protein Cross-Linking in Human Fibrosarcoma (HT1080) Cells. <i>Chemical Research in Toxicology</i> , 2017, 30, 980-995. | 1.7 | 35 |
| 32 | Mass Spectrometric Characterization of an Acid-Labile Adduct Formed with 2-Amino-1-methyl-6-phenylimidazo[4,5- <i>b</i>]pyridine and Albumin in Humans. <i>Chemical Research in Toxicology</i> , 2017, 30, 705-714. | 1.7 | 14 |
| 33 | Data-Independent Mass Spectrometry Approach for Screening and Identification of DNA Adducts. <i>Analytical Chemistry</i> , 2017, 89, 11728-11736. | 3.2 | 39 |
| 34 | Investigation of the presence in human urine of mercapturic acids derived from phenanthrene, a representative polycyclic aromatic hydrocarbon. <i>Chemico-Biological Interactions</i> , 2017, 274, 80-88. | 1.7 | 2 |
| 35 | Ultrasensitive High-Resolution Mass Spectrometric Analysis of a DNA Adduct of the Carcinogen Benzo[<i>a</i>]pyrene in Human Lung. <i>Analytical Chemistry</i> , 2017, 89, 12735-12742. | 3.2 | 43 |
| 36 | A High Resolution/Accurate Mass (HRAM) Data-Dependent MS ³ Neutral Loss Screening, Classification, and Relative Quantitation Methodology for Carbonyl Compounds in Saliva. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 608-618. | 1.2 | 22 |

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|----|--|-----|-----------|
| 37 | Targeting NF- κ B p65 with a Helenalin Inspired Bis-electrophile. ACS Chemical Biology, 2017, 12, 102-113. | 1.6 | 31 |
| 38 | Pyridylhydroxybutyl and pyridyloxobutyl DNA phosphate adduct formation in rats treated chronically with enantiomers of the tobacco-specific nitrosamine metabolite 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol. Mutagenesis, 2017, 32, 561-570. | 1.0 | 14 |
| 39 | The Future of DNA Adductomic Analysis. International Journal of Molecular Sciences, 2017, 18, 1870. | 1.8 | 45 |
| 40 | Simultaneous determination of 8-oxo-2 α -deoxyguanosine and 8-oxo-2 α -deoxyadenosine in human retinal DNA by liquid chromatography nanoelectrospray-tandem mass spectrometry. Scientific Reports, 2016, 6, 22375. | 1.6 | 26 |
| 41 | Biomonitoring DNA Adducts of Cooked Meat Carcinogens in Human Prostate by Nano Liquid Chromatography \hat{e} High Resolution Tandem Mass Spectrometry: Identification of 2-Amino-1-methyl-6-phenylimidazo[4,5- <i>b</i>]pyridine DNA Adduct. Analytical Chemistry, 2016, 88, 12508-12515. | 3.2 | 54 |
| 42 | Unambiguous Identification of β -Tubulin as the Direct Cellular Target Responsible for the Cytotoxicity of Chalcone by Photoaffinity Labeling. ChemMedChem, 2016, 11, 1436-1445. | 1.6 | 14 |
| 43 | Analysis of <i>O</i> -[4-(3-Pyridyl)-4-oxobut-1-yl]-2 α -deoxyguanosine and Other DNA Adducts in Rats Treated with Enantiomeric or Racemic <i>N</i> -Nitrosornicotine. Chemical Research in Toxicology, 2016, 29, 87-95. | 1.7 | 18 |
| 44 | Covalent DNA \hat{e} Protein Cross-Linking by Phosphoramidate Mustard and Nornitrogen Mustard in Human Cells. Chemical Research in Toxicology, 2016, 29, 190-202. | 1.7 | 43 |
| 45 | Comprehensive High-Resolution Mass Spectrometric Analysis of DNA Phosphate Adducts Formed by the Tobacco-Specific Lung Carcinogen 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone. Chemical Research in Toxicology, 2015, 28, 2151-2159. | 1.7 | 32 |
| 46 | Screening for DNA Alkylation Mono and Cross-Linked Adducts with a Comprehensive LC-MS ³ Adductomic Approach. Analytical Chemistry, 2015, 87, 11706-11713. | 3.2 | 45 |
| 47 | Analysis of a Malondialdehyde \hat{e} Deoxyguanosine Adduct in Human Leukocyte DNA by Liquid Chromatography Nanoelectrospray \hat{e} High-Resolution Tandem Mass Spectrometry. Chemical Research in Toxicology, 2014, 27, 1829-1836. | 1.7 | 27 |
| 48 | DNA Adductomics. Chemical Research in Toxicology, 2014, 27, 356-366. | 1.7 | 146 |
| 49 | Covalent Modification of Cytochrome <i>c</i> by Reactive Metabolites of Furan. Chemical Research in Toxicology, 2014, 27, 129-135. | 1.7 | 38 |
| 50 | NanoLC/ESI ⁺ HRMS ³ Quantitation of DNA Adducts Induced by 1,3-Butadiene. Journal of the American Society for Mass Spectrometry, 2014, 25, 1124-1135. | 1.2 | 18 |
| 51 | Application of a High-Resolution Mass-Spectrometry-Based DNA Adductomics Approach for Identification of DNA Adducts in Complex Mixtures. Analytical Chemistry, 2014, 86, 1744-1752. | 3.2 | 71 |
| 52 | Analysis of the benzene oxide-DNA adduct 7-phenylguanine by liquid chromatography-nanoelectrospray ionization-high resolution tandem mass spectrometry-parallel reaction monitoring: Application to DNA from exposed mice and humans. Chemico-Biological Interactions, 2014, 215, 40-45. | 1.7 | 9 |
| 53 | Synthesis of Sequence-Specific DNA \hat{e} Protein Conjugates via a Reductive Amination Strategy. Bioconjugate Chemistry, 2013, 24, 1496-1506. | 1.8 | 47 |
| 54 | Evidence for endogenous formation of the hepatocarcinogen N-nitrosodihydrouracil in rats treated with dihydrouracil and sodium nitrite: A potential source of human hepatic DNA carboxyethylation. Chemico-Biological Interactions, 2013, 206, 83-89. | 1.7 | 6 |

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|----|--|------|-----------|
| 55 | DNA Adducts in Aldehyde Dehydrogenase-Positive Lung Stem Cells of A/J Mice Treated with the Tobacco Specific Lung Carcinogen 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK). <i>Chemical Research in Toxicology</i> , 2013, 26, 511-513. | 1.7 | 8 |
| 56 | Mass Spectrometry of Structurally Modified DNA. <i>Chemical Reviews</i> , 2013, 113, 2395-2436. | 23.0 | 112 |
| 57 | Capillary HPLC-Accurate Mass MS/MS Quantitation of N7-(2,3,4-Trihydroxybut-1-yl)-guanine Adducts of 1,3-Butadiene in Human Leukocyte DNA. <i>Chemical Research in Toxicology</i> , 2013, 26, 1486-1497. | 1.7 | 23 |
| 58 | Quantitation of Pyridyloxobutyl-DNA Adducts in Tissues of Rats Treated Chronically with (<i>R</i>)- or (<i>S</i>)-<i>N</i>-Nitrosornicotine (NNN) in a Carcinogenicity Study. <i>Chemical Research in Toxicology</i> , 2013, 26, 1526-1535. | 1.7 | 38 |
| 59 | 1,2,3,4-Diepoxybutane-Induced DNA-Protein Cross-Linking in Human Fibrosarcoma (HT1080) Cells. <i>Journal of Proteome Research</i> , 2013, 12, 2151-2164. | 1.8 | 35 |
| 60 | Quantification of Acylfulvene and Illudin S-DNA Adducts in Cells with Variable Bioactivation Capacities. <i>Chemical Research in Toxicology</i> , 2013, 26, 146-155. | 1.7 | 26 |
| 61 | Analysis of 4-Hydroxy-1-(3-pyridyl)-1-butanone (HPB)-Releasing DNA Adducts in Human Exfoliated Oral Mucosa Cells by Liquid Chromatography-Electrospray Ionization-Tandem Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2013, 26, 37-45. | 1.7 | 36 |
| 62 | Translesion Synthesis across 1,N6-(2-Hydroxy-3-hydroxymethylpropan-1,3-diy)-2-deoxyadenosine (1,N6- ¹³ -HMHP-dA) Adducts by Human and Archebacterial DNA Polymerases. <i>Journal of Biological Chemistry</i> , 2012, 287, 38800-38811. | 1.6 | 17 |
| 63 | Epicatechin-rich cocoa polyphenol inhibits Kras-activated pancreatic ductal carcinoma cell growth <i>in vitro</i> and in a mouse model. <i>International Journal of Cancer</i> , 2012, 131, 1720-1731. | 2.3 | 46 |
| 64 | Quantitation of 7-Ethylguanine in Leukocyte DNA from Smokers and Nonsmokers by Liquid Chromatography-Nanoelectrospray-High Resolution Tandem Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2011, 24, 1729-1734. | 1.7 | 27 |
| 65 | Analysis of 23 Polycyclic Aromatic Hydrocarbons in Smokeless Tobacco by Gas Chromatography-Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2010, 23, 66-73. | 1.7 | 78 |
| 66 | Detection of 7-(2-Carboxyethyl)guanine but Not 7-Carboxymethylguanine in Human Liver DNA. <i>Chemical Research in Toxicology</i> , 2010, 23, 1089-1096. | 1.7 | 20 |
| 67 | Analysis of Phenanthrene and Benzo[<i>a</i>]pyrene Tetraol Enantiomers in Human Urine: Relevance to the Bay Region Diol Epoxide Hypothesis of Benzo[<i>a</i>]pyrene Carcinogenesis and to Biomarker Studies. <i>Chemical Research in Toxicology</i> , 2010, 23, 900-908. | 1.7 | 69 |
| 68 | A study of the ground and excited states of Al3 and Al3 ⁺ . I. 488 nm anion photoelectron spectrum. <i>Journal of Chemical Physics</i> , 2009, 130, 024303. | 1.2 | 15 |
| 69 | Clear Differences in Levels of a Formaldehyde-DNA Adduct in Leukocytes of Smokers and Nonsmokers. <i>Cancer Research</i> , 2009, 69, 7170-7174. | 0.4 | 63 |
| 70 | Simultaneous determination of inositol and inositol phosphates in complex biological matrices: quantitative ion-exchange chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 705-712. | 0.7 | 44 |
| 71 | Mass Spectrometric Analysis of a Cyclic 7,8-Butanoguanine Adduct of <i>N</i>-Nitrosopyrrolidine: Comparison to Other <i>N</i>-Nitrosopyrrolidine Adducts in Rat Hepatic DNA. <i>Chemical Research in Toxicology</i> , 2009, 22, 1728-1735. | 1.7 | 9 |
| 72 | Quantitation of Pyridyloxobutyl DNA Adducts in Nasal and Oral Mucosa of Rats Treated Chronically with Enantiomers of <i>N</i>-Nitrosornicotine. <i>Chemical Research in Toxicology</i> , 2009, 22, 949-956. | 1.7 | 28 |

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| 73 | Analysis of Pyridyloxobutyl and Pyridylhydroxybutyl DNA Adducts in Extrahepatic Tissues of F344 Rats Treated Chronically with 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone and Enantiomers of 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol. <i>Chemical Research in Toxicology</i> , 2009, 22, 926-936. | 1.7 | 46 |
| 74 | Formation of Formaldehyde Adducts in the Reactions of DNA and Deoxyribonucleosides with \pm -Acetates of 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK), 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol (NNAL), and <i>N</i> -Nitrosodimethylamine (NDMA). <i>Chemical Research in Toxicology</i> , 2008, 21, 746-751. | 1.7 | 30 |
| 75 | Quantitation of Pyridylhydroxybutyl-DNA Adducts in Liver and Lung of F-344 Rats Treated with 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone and Enantiomers of Its Metabolite 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol. <i>Chemical Research in Toxicology</i> , 2008, 21, 1468-1476. | 1.7 | 37 |
| 76 | Analysis of phenanthrene diol epoxide mercapturic acid detoxification products in human urine: relevance to molecular epidemiology studies of glutathione S-transferase polymorphisms. <i>Carcinogenesis</i> , 2008, 29, 937-943. | 1.3 | 18 |
| 77 | Analysis of Adducts in Hepatic DNA of Rats Treated with N-Nitrosopyrrolidine. <i>Chemical Research in Toxicology</i> , 2007, 20, 634-640. | 1.7 | 12 |
| 78 | Development of Liquid Chromatography Electrospray Ionization Tandem Mass Spectrometry Methods for Analysis of DNA Adducts of Formaldehyde and Their Application to Rats Treated with <i>N</i> -Nitrosodimethylamine or 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone. <i>Chemical Research in Toxicology</i> , 2007, 20, 1141-1148. | 1.7 | 33 |
| 79 | Liquid Chromatography-Electrospray Ionization Tandem Mass Spectrometry Analysis of 7-Ethylguanine in Human Liver DNA. <i>Chemical Research in Toxicology</i> , 2007, 20, 1498-1502. | 1.7 | 28 |
| 80 | Nucleobase-Dependent Reactivity of a Quinone Metabolite of Pentachlorophenol. <i>Chemical Research in Toxicology</i> , 2007, 20, 913-919. | 1.7 | 31 |
| 81 | Identification of Adducts Formed in the Reaction of \pm -Acetoxy-N-nitrosopyrrolidine with Deoxyribonucleosides and DNA. <i>Chemical Research in Toxicology</i> , 2007, 20, 625-633. | 1.7 | 15 |
| 82 | Analysis of Pyridyloxobutyl DNA Adducts in F344 Rats Chronically Treated with (R)- and (S)- <i>N</i> -Nitrososornicotine. <i>Chemical Research in Toxicology</i> , 2007, 20, 246-256. | 1.7 | 55 |
| 83 | Detection and Quantitation of Acrolein-Derived 1,N2-Propanodeoxyguanosine Adducts in Human Lung by Liquid Chromatography-Electrospray Ionization-Tandem Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2007, 20, 565-571. | 1.7 | 110 |
| 84 | Quantitation of an Acetaldehyde Adduct in Human Leukocyte DNA and the Effect of Smoking Cessation. <i>Chemical Research in Toxicology</i> , 2007, 20, 108-113. | 1.7 | 70 |
| 85 | Formation and Accumulation of Pyridyloxobutyl DNA Adducts in F344 Rats Chronically Treated with 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone and Enantiomers of Its Metabolite, 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol. <i>Chemical Research in Toxicology</i> , 2007, 20, 235-245. | 1.7 | 76 |
| 86 | Analysis of [2 , 2 -d 2]-nicotine and [2 , 2 -d 2]-cotinine by capillary liquid chromatography-electrospray tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 857, 1-8. | 1.2 | 51 |
| 87 | Identification of Adducts Formed in the Reaction of 5- <i>N</i> -Acetoxy- <i>N</i> -Nitrososornicotine with Deoxyguanosine and DNA. <i>Chemical Research in Toxicology</i> , 2006, 19, 426-435. | 1.7 | 18 |
| 88 | Analysis of Crotonaldehyde- and Acetaldehyde-Derived 1,N2-Propanodeoxyguanosine Adducts in DNA from Human Tissues Using Liquid Chromatography Electrospray Ionization Tandem Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2006, 19, 1386-1392. | 1.7 | 86 |
| 89 | Quantitation of N-Acetyl-S-(9,10-dihydro-9-hydroxy-10-phenanthryl)-l-cysteine in Human Urine: A Comparison with Glutathione-S-transferase Genotypes in Smokers. <i>Chemical Research in Toxicology</i> , 2006, 19, 1234-1240. | 1.7 | 15 |
| 90 | Quantitation of Pyridyloxobutyl DNA Adducts of Tobacco-Specific Nitrosamines in Rat Tissue DNA by High-Performance Liquid Chromatography-Electrospray Ionization-Tandem Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2006, 19, 674-682. | 1.7 | 75 |

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|-----|--|-----|-----------|
| 91 | Identification of an Acetaldehyde Adduct in Human Liver DNA and Quantitation as N ² -Ethyldeoxyguanosine. <i>Chemical Research in Toxicology</i> , 2006, 19, 319-324. | 1.7 | 121 |
| 92 | Analysis of Total 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanol in Smokers' Blood. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2005, 14, 2669-2672. | 1.1 | 31 |
| 93 | Mass Spectrometric Analysis of Relative Levels of Pyridyloxobutylation Adducts Formed in the Reaction of DNA with a Chemically Activated Form of the Tobacco-Specific Carcinogen 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone. <i>Chemical Research in Toxicology</i> , 2005, 18, 1048-1055. | 1.7 | 54 |
| 94 | Characterization of a Deoxyguanosine Adduct of Tetrachlorobenzoquinone: α -Dichlorobenzoquinone-1,N ² -etheno-2 β -deoxyguanosine. <i>Chemical Research in Toxicology</i> , 2005, 18, 1770-1776. | 1.7 | 27 |
| 95 | Effect of relative humidity on the detection of sulfur dioxide and sulfuric acid using a chemical ionization mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 2004, 231, 17-30. | 0.7 | 19 |
| 96 | Identification of O ² -Substituted Pyrimidine Adducts Formed in Reactions of 4-(Acetoxymethylnitrosamino)-1-(3-pyridyl)-1-butanone and 4-(Acetoxymethylnitrosamino)-1-(3-pyridyl)-1-butanone. <i>Chemical Research in Toxicology</i> , 2003, 16, 145-152. | 1.7 | 127 |
| 97 | Reactions of Formaldehyde Plus Acetaldehyde with Deoxyguanosine and DNA: Formation of Cyclic Deoxyguanosine Adducts and Formaldehyde Cross-Links. <i>Chemical Research in Toxicology</i> , 2003, 16, 145-152. | 1.7 | 127 |
| 98 | Identification of Adducts Formed by Pyridyloxobutylation of Deoxyguanosine and DNA by 4-(Acetoxymethylnitrosamino)-1-(3-pyridyl)-1-butanone, a Chemically Activated Form of Tobacco Specific Carcinogens. <i>Chemical Research in Toxicology</i> , 2003, 16, 616-626. | 1.7 | 91 |
| 99 | Identification of Adducts Produced by the Reaction of 4-(Acetoxymethylnitrosamino)-1-(3-pyridyl)-1-butanone with Deoxyguanosine and DNA. <i>Chemical Research in Toxicology</i> , 2003, 16, 180-190. | 1.7 | 30 |
| 100 | Nucleophilic Reactions between Thiols and a Tobacco Specific Nitrosamine Metabolite, 4-Hydroxy-1-(3-pyridyl)-1-butanone. <i>Chemical Research in Toxicology</i> , 2003, 16, 661-667. | 1.7 | 4 |
| 101 | Ethylation and methylation of hemoglobin in smokers and non-smokers. <i>Carcinogenesis</i> , 2002, 23, 1903-1910. | 1.3 | 42 |
| 102 | Rate Constant Measurements for the Reaction of HO ₂ with O ₃ from 200 to 300 K Using a Turbulent Flow Reactor. <i>Journal of Physical Chemistry A</i> , 2001, 105, 1583-1591. | 1.1 | 34 |
| 103 | Reactions of α -Acetoxy-N-nitrosopyrrolidine with Deoxyguanosine and DNA. <i>Chemical Research in Toxicology</i> , 2001, 14, 1435-1445. | 1.7 | 30 |
| 104 | Reactions of 2,6-Dimethyl-1,3-dioxane-4-ol (Aldoxane) with Deoxyguanosine and DNA. <i>Chemical Research in Toxicology</i> , 2001, 14, 1025-1032. | 1.7 | 21 |
| 105 | A Schiff Base Is a Major DNA Adduct of Crotonaldehyde. <i>Chemical Research in Toxicology</i> , 2001, 14, 423-430. | 1.7 | 35 |
| 106 | 2'-Hydroxylation of nicotine by cytochrome P450 2A6 and human liver microsomes: Formation of a lung carcinogen precursor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 12493-12497. | 3.3 | 130 |
| 107 | Identification of DNA Adducts of Acetaldehyde. <i>Chemical Research in Toxicology</i> , 2000, 13, 1149-1157. | 1.7 | 217 |
| 108 | Identification of Paraldol-Deoxyguanosine Adducts in DNA Reacted with Crotonaldehyde. <i>Chemical Research in Toxicology</i> , 2000, 13, 1065-1074. | 1.7 | 33 |

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|-----|--|-----|-----------|
| 109 | Reaction probability of peroxyacetyl radical on aqueous surfaces. Geophysical Research Letters, 1996, 23, 1765-1768. | 1.5 | 28 |
| 110 | A study of FeCO ⁻ and the 3 π^* and 5 π^* states of FeCO by negative ion photoelectron spectroscopy. Journal of Chemical Physics, 1993, 98, 7730-7742. | 1.2 | 81 |
| 111 | Negative ion photoelectron spectroscopy of coordinatively unsaturated Group VI metal carbonyls of chromium, molybdenum, and tungsten: Cr(CO) ₃ , Mo(CO) ₃ , and W(CO) ₃ . Journal of the American Chemical Society, 1992, 114, 5257-5268. | 6.6 | 49 |
| 112 | A study of chromium dimer (Cr ₂) by negative-ion photoelectron spectroscopy. Journal of the American Chemical Society, 1991, 113, 6688-6689. | 6.6 | 22 |