

Silvia Balbo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62
papers

1,518
citations

24
h-index

37
g-index

65
ext. papers

1,894
ext. citations

5.2
avg. IF

4.74
L-index

#	Paper	IF	Citations
62	Identification of new candidate biomarkers to support doxorubicin treatments in canine cancer patients. <i>BMC Veterinary Research</i> , 2021 , 17, 378	2.7	0
61	Extension of Diagnostic Fragmentation Filtering for Automated Discovery in DNA Adductomics. <i>Analytical Chemistry</i> , 2021 , 93, 5754-5762	7.8	1
60	Identification of New Markers of Alcohol-Derived DNA Damage in Humans. <i>Biomolecules</i> , 2021 , 11,	5.9	1
59	Coexposure to Inhaled Aldehydes or Carbon Dioxide Enhances the Carcinogenic Properties of the Tobacco-Specific Nitrosamine 4-Methylnitrosamino-1-(3-pyridyl)-1-butanone in the A/J Mouse Lung. <i>Chemical Research in Toxicology</i> , 2021 , 34, 723-732	4	1
58	Quantitation by liquid chromatography-nano electrospray ionization-high resolution tandem mass spectrometry of DNA adducts derived from methyl glyoxal and carboxyethylating agents in leukocytes of smokers and non-smokers. <i>Chemico-Biological Interactions</i> , 2020 , 327, 109140	5	1
57	Biosynthesis, Mechanism of Action, and Inhibition of the Enterotoxin Tilimycin Produced by the Opportunistic Pathogen. <i>ACS Infectious Diseases</i> , 2020 , 6, 1976-1997	5.5	6
56	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	4	2
55	Quantitative Liquid Chromatography-Nano electrospray Ionization-High-Resolution Tandem Mass Spectrometry Analysis of Acrolein-DNA Adducts and Etheno-DNA Adducts in Oral Cells from Cigarette Smokers and Nonsmokers. <i>Chemical Research in Toxicology</i> , 2020 , 33, 2197-2207	4	5
54	Nanoscale battery cathode materials induce DNA damage in bacteria. <i>Chemical Science</i> , 2020 , 11, 11244-11258	4.1	1
53	Metabolomics Profiles of Smokers from Two Ethnic Groups with Differing Lung Cancer Risk. <i>Chemical Research in Toxicology</i> , 2020 , 33, 2087-2098	4	6
52	Bioanalytical and Mass Spectrometric Methods for Aldehyde Profiling in Biological Fluids. <i>Toxics</i> , 2019 , 7,	4.7	18
51	Mass Spectrometric Quantitation of Pyridyloxobutyl DNA Phosphate Adducts in Rats Chronically Treated with N'-Nitrosonornicotine. <i>Chemical Research in Toxicology</i> , 2019 , 32, 773-783	4	6
50	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	16.4	26
49	Alcohol Effects on Colon Epithelium are Time-Dependent. <i>Alcoholism: Clinical and Experimental Research</i> , 2019 , 43, 1898-1908	3.7	4
48	Fragmentation Spectra Prediction and DNA Adducts Structural Determination. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 2771-2784	3.5	8
47	Targeted High Resolution LC/MS Adductomics Method for the Characterization of Endogenous DNA Damage. <i>Frontiers in Chemistry</i> , 2019 , 7, 658	5	9
46	Genome-Wide CRISPR Screening Identifies the Tumor Suppressor Candidate OVCA2 As a Determinant of Tolerance to Acetaldehyde. <i>Toxicological Sciences</i> , 2019 , 169, 235-245	4.4	12

45	The human gut bacterial genotoxin colibactin alkylates DNA. <i>Science</i> , 2019 , 363,	33.3	234
44	Analysis of Acrolein-Derived 1, N-Propanodeoxyguanosine Adducts in Human Lung DNA from Smokers and Nonsmokers. <i>Chemical Research in Toxicology</i> , 2019 , 32, 318-325	4	22
43	Metastasis to the F344 Rat Pancreas from Lung Cancer Induced by 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone and Enantiomers of Its Metabolite 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol, Constituents of Tobacco Products. <i>Toxicologic Pathology</i> , 2018 , 46, 184-192	2.1	6
42	Alcohol-Derived Acetaldehyde Exposure in the Oral Cavity. <i>Cancers</i> , 2018 , 10,	6.6	38
41	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	7.8	4
40	Tobacco biomarkers and genetic/epigenetic analysis to investigate ethnic/racial differences in lung cancer risk among smokers. <i>Npj Precision Oncology</i> , 2018 , 2, 17	9.8	25
39	The Wild West of E-Cigarettes. <i>Chemical Research in Toxicology</i> , 2018 , 31, 823-824	4	5
38	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	4	9
37	A High Resolution/Accurate Mass (HRAM) Data-Dependent MS 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	3.5	14
36	The Future of DNA Adductomic Analysis. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	27
35	Increased levels of the acetaldehyde-derived DNA adduct N 2-ethyldeoxyguanosine in oral mucosa DNA from Rhesus monkeys exposed to alcohol. <i>Mutagenesis</i> , 2016 , 31, 553-8	2.8	16
34	Transcriptome profiling in oral cavity and esophagus tissues from (S)-N'-nitrosonornicotine-treated rats reveals candidate genes involved in human oral cavity and esophageal carcinogenesis. <i>Molecular Carcinogenesis</i> , 2016 , 55, 2168-2182	5	6
33	The Aryl Hydrocarbon Receptor is a Repressor of Inflammation-associated Colorectal Tumorigenesis in Mouse. <i>Annals of Surgery</i> , 2016 , 264, 429-36	7.8	51
32	Tobacco smoke toxicant and carcinogen biomarkers and lung cancer susceptibility in smokers. <i>Journal of Thoracic Oncology</i> , 2016 , 11, S7-S8	8.9	4
31	Implications of acetaldehyde-derived DNA adducts for understanding alcohol-related carcinogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2015 , 815, 71-88	3.6	29
30	Potential contributions of the tobacco nicotine-derived nitrosamine ketone (NNK) in the pathogenesis of steatohepatitis in a chronic plus binge rat model of alcoholic liver disease. <i>Alcohol and Alcoholism</i> , 2015 , 50, 118-31	3.5	27
29	Screening for DNA Alkylation Mono and Cross-Linked Adducts with a Comprehensive LC-MS(3) Adductomic Approach. <i>Analytical Chemistry</i> , 2015 , 87, 11706-13	7.8	33
28	Liver tumor promotion by 2,3,7,8-tetrachlorodibenzo-p-dioxin is dependent on the aryl hydrocarbon receptor and TNF/IL-1 receptors. <i>Toxicological Sciences</i> , 2014 , 140, 135-43	4.4	30

27	DNA adductomics. <i>Chemical Research in Toxicology</i> , 2014 , 27, 356-66	4	123
26	Dihydemethysticin from kava blocks tobacco carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone-induced lung tumorigenesis and differentially reduces DNA damage in A/J mice. <i>Carcinogenesis</i> , 2014 , 35, 2365-72	4.6	21
25	Application of a high-resolution mass-spectrometry-based DNA adductomics approach for identification of DNA adducts in complex mixtures. <i>Analytical Chemistry</i> , 2014 , 86, 1744-52	7.8	53
24	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. <i>Chemico-Biological Interactions</i> , 2014 , 217, 105-112	5	9
23	Analysis of a malondialdehyde-deoxyguanosine adduct in human leukocyte DNA by liquid chromatography nanoelectrospray-high-resolution tandem mass spectrometry. <i>Chemical Research in Toxicology</i> , 2014 , 27, 1829-36	4	21
22	Intranasal delivery of liposomal indole-3-carbinol improves its pulmonary bioavailability. <i>International Journal of Pharmaceutics</i> , 2014 , 477, 96-101	6.5	10
21	Carcinogenicity and DNA adduct formation of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone and enantiomers of its metabolite 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol in F-344 rats. <i>Carcinogenesis</i> , 2014 , 35, 2798-806	4.6	37
20	Kava blocks 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone-induced lung tumorigenesis in association with reducing O6-methylguanine DNA adduct in A/J mice. <i>Cancer Prevention Research</i> , 2014 , 7, 86-96	3.2	20
19	Quantitation of Acetaldehyde-DNA Adducts: Biomarkers of Alcohol Consumption. <i>Methods in Pharmacology and Toxicology</i> , 2014 , 237-248	1.1	
18	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. <i>Chemico-Biological Interactions</i> , 2013 , 206, 83-9	5	4
17	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, 511-3	4	8
16	Quantitation of pyridyloxobutyl-DNA adducts in tissues of rats treated chronically with (R)- or (S)-N'-nitrososornicotine (NNN) in a carcinogenicity study. <i>Chemical Research in Toxicology</i> , 2013 , 26, 1526-35	4	34
15	(S)-N'-Nitrososornicotine, a constituent of smokeless tobacco, is a powerful oral cavity carcinogen in rats. <i>Carcinogenesis</i> , 2013 , 34, 2178-83	4.6	50
14	Kinetics of DNA adduct formation in the oral cavity after drinking alcohol. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2012 , 21, 601-8	4	55
13	Time course of DNA adduct formation in peripheral blood granulocytes and lymphocytes after drinking alcohol. <i>Mutagenesis</i> , 2012 , 27, 485-90	2.8	33
12	Alcohol-induced one-carbon metabolism impairment promotes dysfunction of DNA base excision repair in adult brain. <i>Journal of Biological Chemistry</i> , 2012 , 287, 43533-42	5.4	24
11	Analysis of r-7,t-8,9,c-10-tetrahydroxy-7,8,9,10-tetrahydrobenzo[a]pyrene in human urine: a biomarker for directly assessing carcinogenic polycyclic aromatic hydrocarbon exposure plus metabolic activation. <i>Chemical Research in Toxicology</i> , 2011 , 24, 73-80	4	26
10	Alcohol metabolism in human cells causes DNA damage and activates the Fanconi anemia-breast cancer susceptibility (FA-BRCA) DNA damage response network. <i>Alcoholism: Clinical and Experimental Research</i> , 2011 , 35, 2113-20	3.7	33

9	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, 1729-34	4	25
8	Analysis of acrolein-derived 1,N2-propanodeoxyguanosine adducts in human leukocyte DNA from smokers and nonsmokers. <i>Chemical Research in Toxicology</i> , 2011 , 24, 119-24	4	44
7	Metabolites of a tobacco-specific lung carcinogen in children exposed to secondhand or thirdhand tobacco smoke in their homes. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2011 , 20, 1213-21	4	43
6	Preferential glutathione conjugation of a reverse diol epoxide compared with a bay region diol epoxide of benzo[a]pyrene in human hepatocytes. <i>Drug Metabolism and Disposition</i> , 2010 , 38, 1397-402	4	15
5	Clear differences in levels of a formaldehyde-DNA adduct in leukocytes of smokers and nonsmokers. <i>Cancer Research</i> , 2009 , 69, 7170-4	10.1	57
4	Studies of the potential genotoxic effects of furoxans: the case of CAS 1609 and of the water-soluble analogue of CHF 2363. <i>Toxicology Letters</i> , 2008 , 178, 44-51	4.4	16
3	N2-ethyldeoxyguanosine as a potential biomarker for assessing effects of alcohol consumption on DNA. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2008 , 17, 3026-32	4	44
2	Novel antioxidant agents deriving from molecular combination of Vitamin C and NO-donor moieties. <i>Bioorganic and Medicinal Chemistry</i> , 2008 , 16, 5199-206	3.4	15
1	The reactivity of an unusual amidase may explain colibactin's DNA cross-linking activity		3