Byeong Hwa Yun

List of Publications by Year
in descending order

27	1,276	331670 21	526287 27
papers	citations	h-index	g-index

27	27	27	1598
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mutational Signature of Aristolochic Acid Exposure as Revealed by Whole-Exome Sequencing. Science Translational Medicine, 2013, 5, 197ra102.	12.4	220
2	Non-invasive detection of urothelial cancer through the analysis of driver gene mutations and aneuploidy. ELife, 2018, 7, .	6.0	118
3	Biomonitoring of Aristolactam-DNA Adducts in Human Tissues Using Ultra-Performance Liquid Chromatography/Ion-Trap Mass Spectrometry. Chemical Research in Toxicology, 2012, 25, 1119-1131.	3.3	87
4	DNA adducts: Formation, biological effects, and new biospecimens for mass spectrometric measurements in humans. Mass Spectrometry Reviews, 2020, 39, 55-82.	5.4	78
5	Binding mode of porphyrins to poly[d(A-T)2] and poly[d(G-C)2]. Biophysical Chemistry, 1998, 70, 1-10.	2.8	67
6	Aristolochic Acid in the Etiology of Renal Cell Carcinoma. Cancer Epidemiology Biomarkers and Prevention, 2016, 25, 1600-1608.	2.5	65
7	Simultaneous Binding of Ruthenium(II) [(1,10-Phenanthroline)2dipyridophenazine]2+and Minor Groove Binder 4â€˜,6-Diamidino-2-phenylindole to Poly[d(Aâ€“T)2] at High Binding Densities:Â Observation of Fluorescence Resonance Energy Trasfer Across the DNA Stem. Journal of Physical Chemistry B, 2003, 107, 9858-9864.	2.6	57
8	Oxidative Generation of Guanine Radicals by Carbonate Radicals and Their Reactions with Nitrogen Dioxide to Form Site Specific 5-Guanidino-4-nitroimidazole Lesions in Oligodeoxynucleotides. Chemical Research in Toxicology, 2003, 16, 966-973.	3.3	55
9	Biomonitoring DNA Adducts of Cooked Meat Carcinogens in Human Prostate by Nano Liquid Chromatographyâ€“High Resolution Tandem Mass Spectrometry: Identification of 2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine DNA Adduct. Analytical Chemistry, 2016, 88, 12508-12515.	6.5	54
10	Mechanisms of Oxidation of Guanine in DNA by Carbonate Radical Anion, a Decomposition Product of Nitrosoperoxycarbonate. Chemistry - A European Journal, 2007, 13, 4571-4581.	3.3	53
11	Human Formalin-Fixed Paraffin-Embedded Tissues: An Untapped Specimen for Biomonitoring of Carcinogen DNA Adducts by Mass Spectrometry. Analytical Chemistry, 2013, 85, 4251-4258.	6.5	47
12	Generation of Guanineâ€“Thymidine Cross-Links in DNA by Peroxynitrite/Carbon Dioxide. Chemical Research in Toxicology, 2011, 24, 1144-1152.	3.3	40
13	Generation of Guanineâ€“Thymine Cross-Links in Human Cells by One-Electron Oxidation Mechanisms. Chemical Research in Toxicology, 2013, 26, 1031-1033.	3.3	39
14	Aristolochic acid exposure in Romania and implications for renal cell carcinoma. British Journal of Cancer, 2016, 114, 76-80.	6.4	39
15	Binding of meso-Tetrakis(N-methylpyridinium-4-yl)porphyrin to AT Oligomers: Effect of Chain Length and the Location of the Porphyrin Stacking. Biophysical Journal, 2004, 86, 1012-1017.	0.5	36
16	Photosensitized Oxidative DNA Damage:â€‰ From Hole Injection to Chemical Product Formation and Strand Cleavage. Journal of the American Chemical Society, 2007, 129, 9321-9332.	13.7	35
17	Multiclass Carcinogenic DNA Adduct Quantification in Formalin-Fixed Paraffin-Embedded Tissues by Ultraperformance Liquid Chromatographyâ€“Tandem Mass Spectrometry. Analytical Chemistry, 2016, 88, 4780-4787.	6.5	30
18	Oxidation of Guanine by Carbonate Radicals Derived from Photolysis of Carbonatotetramminecobalt(III) Complexes and the pH Dependence of Intrastrand DNA Crossâ€Links Mediated by Guanine Radical Reactions. ChemBioChem, 2008, 9, 1985-1991.	2.6	26

#	Article	IF	Citations
19	Enantioselective binding of S- and R-ofloxacin to various synthetic polynucleotides. European Journal of Pharmaceutical Sciences, 2003, 18, 197-203.	4.0	25
20	Formalin-fixed paraffin-embedded tissue as a source for quantitation of carcinogen DNA adducts: aristolochic acid as a prototype carcinogen. Carcinogenesis, 2014, 35, 2055-2061.	2.8	25
21	New approaches for biomonitoring exposure to the human carcinogen aristolochic acid. Toxicology Research, 2015, 4, 763-776.	2.1	21
22	A Rapid Throughput Method To Extract DNA from Formalin-Fixed Paraffin-Embedded Tissues for Biomonitoring Carcinogenic DNA Adducts. Chemical Research in Toxicology, 2017, 30, 2130-2139.	3.3	19
23	Method for Biomonitoring DNA Adducts in Exfoliated Urinary Cells by Mass Spectrometry. Analytical Chemistry, 2018, 90, 9943-9950.	6.5	10
24	Additive Effects of Arsenic and Aristolochic Acid in Chemical Carcinogenesis of Upper Urinary Tract Urothelium. Cancer Epidemiology Biomarkers and Prevention, 2021, 30, 317-325.	2.5	10
25	The Role of Oneâ€Electron Reduction of Lipid Hydroperoxides in Causing DNA Damage. Chemistry - A European Journal, 2009, 15, 10634-10640.	3.3	9
26	Formalin-Fixed Paraffin-Embedded Tissuesâ€”An Untapped Biospecimen for Biomonitoring DNA Adducts by Mass Spectrometry. Toxics, 2018, 6, 30.	3.7	8
27	Oneâ€electron Oxidation of a Pyrenyl Photosensitizer Covalently Attached to DNA and Competition Between its Further Oxidation and DNA Hole Injection. Photochemistry and Photobiology, 2010, 86, 563-570.	2.5	3