

Dewakar Sangaraju

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

634
citations

623734

14
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

917
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo partial reprogramming alters age-associated molecular changes during physiological aging in mice. <i>Nature Aging</i> , 2022, 2, 243-253.	11.6	101
2	Quantitation of DNA Adducts by Stable Isotope Dilution Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2012, 25, 2007-2035.	3.3	97
3	Minor Changes in Expression of the Mismatch Repair Protein MSH2 Exert a Major Impact on Glioblastoma Response to Temozolomide. <i>Cancer Research</i> , 2015, 75, 3127-3138.	0.9	96
4	Structure of the essential inner membrane lipopolysaccharide-PbgA complex. <i>Nature</i> , 2020, 584, 479-483.	27.8	58
5	Persistence and Repair of Bifunctional DNA Adducts in Tissues of Laboratory Animals Exposed to 1,3-Butadiene by Inhalation. <i>Chemical Research in Toxicology</i> , 2011, 24, 809-817.	3.3	32
6	A rapid derivatization based LC-MS/MS method for quantitation of short chain fatty acids in human plasma and urine. <i>Bioanalysis</i> , 2019, 11, 741-753.	1.5	32
7	Epigenetic Events Determine Tissue-Specific Toxicity of Inhalational Exposure to the Genotoxic Chemical 1,3-Butadiene in Male C57BL/6J Mice. <i>Toxicological Sciences</i> , 2014, 142, 375-384.	3.1	27
8	Synthesis and Antimycobacterial Evaluation of Novel Phthalazinyl-acetamides Against log- and Starved Phase Cultures. <i>Chemical Biology and Drug Design</i> , 2010, 75, 381-391.	3.2	26
9	NanoHPLC-nanoESI-MS/MS Quantitation of Bis-N7-Guanine DNA-DNA Cross-Links in Tissues of B6C3F1 Mice Exposed to subppm Levels of 1,3-Butadiene. <i>Analytical Chemistry</i> , 2012, 84, 1732-1739.	6.5	25
10	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.	3.3	23
11	Isotope Dilution nanoLC/ESI-HRMS Quantitation of Urinary N7-(1-Hydroxy-3-buten-2-yl) Guanine Adducts in Humans and Their Use as Biomarkers of Exposure to 1,3-Butadiene. <i>Chemical Research in Toxicology</i> , 2017, 30, 678-688.	3.3	21
12	Bis-butanediol-mercaptopuric acid (bis-BDMA) as a urinary biomarker of metabolic activation of butadiene to its ultimate carcinogenic species. <i>Carcinogenesis</i> , 2014, 35, 1371-1378.	2.8	18
13	NanoLC/ESI-HRMS Quantitation of DNA Adducts Induced by 1,3-Butadiene. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1124-1135.	2.8	18
14	Robust and Comprehensive Targeted Metabolomics Method for Quantification of 50 Different Primary, Secondary, and Sulfated Bile Acids in Multiple Biological Species (Human, Monkey, Rabbit, Dog, and Rat) and Matrices (Plasma and Urine) Using Liquid Chromatography High Resolution Mass Spectrometry (LC-HRMS) Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2033-2049.	2.8	16
15	Sex-specific differences in genotoxic and epigenetic effects of 1,3-butadiene among mouse tissues. <i>Archives of Toxicology</i> , 2019, 93, 791-800.	4.2	13
16	A multi-matrix HILIC-MS/MS method for the quantitation of endogenous small molecule neurological biomarker N-acetyl aspartic acid (NAA). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 140, 11-19.	2.8	11
17	N ⁶ -(2-Deoxy-erythro-pentofuranosyl)-2,6-diamino-3,4-dihydro-4-oxo-5-(2-hydroxy-3-buten-2-yl)-2-thiouracil Adducts of 1,3-Butadiene: Synthesis, Structural Identification, and Detection in Human Cells. <i>Chemical Research in Toxicology</i> , 2018, 31, 885-897.	3.3	9
18	Comprehensive Evaluation of Bile Acid Homeostasis in Human Hepatocyte Co-Culture in the Presence of Troglitazone, Pioglitazone, and Acetylsalicylic Acid. <i>Molecular Pharmaceutics</i> , 2019, 16, 4230-4240.	4.6	4

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19	A Novel Depurination Methodology to Assess DNA Alkylation of Chloro-Bis-Seco-Cyclopropylbenzoindoles Allowed for Comparison of Minor-Groove Reactivity. Drug Metabolism and Disposition, 2019, 47, 547-555.	3.3	4
20	LC-MS/MS-based targeted metabolomics for high-throughput and quantitative analysis of 21 growth inhibition-related metabolites in Chinese hamster ovary cell fed-batch cultures. Biomedical Chromatography, 2022, 36, .	1.7	2
21	Establishment of baseline profiles of 50 bile acids in preclinical toxicity species: A comprehensive assessment of translational differences and study design considerations for biomarker development. Toxicology and Applied Pharmacology, 2022, 443, 116008.	2.8	1