

# Dewakar Sangaraju

## List of Publications by Year in descending order

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21  
papers

634  
citations

623734

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713466

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docs citations

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times ranked

917  
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Biomedical Chromatography</i> , 2022, 36, .	1.7	2
2	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
3	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. <i>Toxicology and Applied Pharmacology</i> , 2022, 443, 116008.	2.8	1
4	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
5	Structure of the essential inner membrane lipopolysaccharide-PbgA complex. <i>Nature</i> , 2020, 584, 479-483.	27.8	58
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	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
8	A Novel Depurination Methodology to Assess DNA Alkylation of Chloro-Bis-Seco-Cyclopropylbenzoindoles Allowed for Comparison of Minor-Groove Reactivity. <i>Drug Metabolism and Disposition</i> , 2019, 47, 547-555.	3.3	4
9	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
10	<i>N</i> <sup>6</sup> -(2-Deoxy- <i>erythro</i> -pentofuranosyl)-2,6-diamino-3,4-dihydro-4-oxo-5- <i>N</i> -(2-hydroxy-3-butylideneamino)-2-thiouridine 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
11	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
12	Isotope Dilution nanoLC/ESI-HRMS Quantitation of Urinary N <sup>7</sup> -(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
13	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
14	Bis-butanediol-mercapturic 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
15	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
16	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
17	Capillary HPLC-Accurate Mass MS/MS Quantitation of N <sup>7</sup> -(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
18	NanoHPLC-nanoESI-MS/MS Quantitation of Bis-N <sup>7</sup> -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

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19	Quantitation of DNA Adducts by Stable Isotope Dilution Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2012, 25, 2007-2035.	3.3	97
20	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
21	Synthesis and Antimycobacterial Evaluation of Novel Phthalazinylacetamides Against log <sub>10</sub> - and Starved Phase Cultures. <i>Chemical Biology and Drug Design</i> , 2010, 75, 381-391.	3.2	26