

Deepak Bhandari

List of Publications by Year in descending order

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papers

1,334
citations

567281
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docs citations

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times ranked

1718
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Nicotine and Toxicant Exposure in Users of Electronic Cigarettes and Combustible Cigarettes. <i>JAMA Network Open</i> , 2018, 1, e185937.	5.9	361
2	Simultaneous analysis of 28 urinary VOC metabolites using ultra high performance liquid chromatography coupled with electrospray ionization tandem mass spectrometry (UPLC-ESI/MSMS). <i>Analytica Chimica Acta</i> , 2012, 750, 152-160.	5.4	217
3	Ionization Mechanism of Positive-Ion Direct Analysis in Real Time: A Transient Microenvironment Concept. <i>Analytical Chemistry</i> , 2009, 81, 10080-10088.	6.5	121
4	Mainstream Smoke Levels of Volatile Organic Compounds in 50 U.S. Domestic Cigarette Brands Smoked With the ISO and Canadian Intense Protocols. <i>Nicotine and Tobacco Research</i> , 2016, 18, 1886-1894.	2.6	79
5	Characterization and Detection of Uranyl Ion Sorption on Silver Surfaces Using Surface Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2009, 81, 8061-8067.	6.5	53
6	Urinary concentrations of PAH and VOC metabolites in marijuana users. <i>Environment International</i> , 2016, 88, 1-8.	10.0	51
7	Urinary Biomarkers of Carcinogenic Exposure among Cigarette, Waterpipe, and Smokeless Tobacco Users and Never Users of Tobacco in the Golestan Cohort Study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019, 28, 337-347.	2.5	34
8	Tobacco-Specific Nitrosamines (NNAL, NNN, NAT, and NAB) Exposures in the US Population Assessment of Tobacco and Health (PATH) Study Wave 1 (2013â€“2014). <i>Nicotine and Tobacco Research</i> , 2021, 23, 573-583.	2.6	30
9	Crotonaldehyde exposure in U.S. tobacco smokers and nonsmokers: NHANES 2005â€“2006 and 2011â€“2012. <i>Environmental Research</i> , 2018, 163, 1-9.	7.5	29
10	Ethylbenzene and styrene exposure in the United States based on urinary mandelic acid and phenylglyoxylic acid: NHANES 2005â€“2006 and 2011â€“2012. <i>Environmental Research</i> , 2019, 171, 101-110.	7.5	29
11	Urinary Biomarkers of Exposure to Volatile Organic Compounds from the Population Assessment of Tobacco and Health Study Wave 1 (2013â€“2014). <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5408.	2.6	29
12	Opiate and Tobacco Use and Exposure to Carcinogens and Toxicants in the Golestan Cohort Study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 650-658.	2.5	23
13	Dual Function Surface-Enhanced Raman Active Extractor for the Detection of Environmental Contaminants. <i>Applied Spectroscopy</i> , 2009, 63, 571-578.	2.2	21
14	Evaluation of direct analysis in real time mass spectrometry for onsite monitoring of batch slurry reactions. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3575-3580.	1.5	18
15	Liquid chromatography/dopant-assisted atmospheric pressure chemical ionization mass spectrometry for the analysis of non-polar compounds. <i>International Journal of Mass Spectrometry</i> , 2011, 303, 173-180.	1.5	17
16	Biomonitoring of volatile organic compounds (VOCs) among hairdressers in salons primarily serving women of color: A pilot study. <i>Environment International</i> , 2021, 154, 106655.	10.0	17
17	Evaluation of Flow-Injection Tandem Mass Spectrometry for Rapid and High-Throughput Quantitative Determination of B Vitamins in Nutritional Supplements. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 8356-8362.	5.2	15
18	Isotope Dilution UPLC-APCI-MS/MS Method for the Quantitative Measurement of Aromatic Diamines in Human Urine: Biomarkers of Diisocyanate Exposure. <i>Analytical Chemistry</i> , 2016, 88, 10687-10692.	6.5	14

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19	Development of a UPLC-ESI-MS/MS method to measure urinary metabolites of selected VOCs: Benzene, cyanide, furfural, furfuryl alcohol, 5-hydroxymethylfurfural, and N-methyl-2-pyrrolidone. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1126-1127, 121746.	2.3	14
20	Stamping plasmonic nanoarrays on SERS-supporting platforms. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1916-1924.	2.5	13
21	Nitromethane Exposure from Tobacco Smoke and Diet in the U.S. Population: NHANES, 2007-2012. <i>Environmental Science & Technology</i> , 2019, 53, 2134-2140.	10.0	13
22	Urinary Cotinine and Cotinine + Trans-3-Hydroxycotinine (TNE-2) Cut-points for Distinguishing Tobacco Use from Nonuse in the United States: PATH Study (2013-2014). <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2021, 30, 1175-1184.	2.5	13
23	Nanotransfer Printing Using Plasma Etched Silicon Stamps and Mediated by in Situ Deposited Fluoropolymer. <i>Journal of the American Chemical Society</i> , 2011, 133, 7722-7724.	13.7	12
24	UPLC-ESI-MS/MS method for the quantitative measurement of aliphatic diamines, trimethylamine N-oxide, and N ² -methylamino-L-alanine in human urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1083, 86-92.	2.3	12
25	Isoprene Exposure in the United States Based on Urinary IPM3: NHANES 2015-2016. <i>Environmental Science & Technology</i> , 2020, 54, 2370-2378.	10.0	12
26	Measuring urinary N-acetyl-S-(4-hydroxy-2-methyl-2-buten-1-yl)-L-cysteine (IPMA3) as a potential biomarker of isoprene exposure. <i>Analytica Chimica Acta</i> , 2016, 941, 61-66.	5.4	11
27	Harmonization of acronyms for volatile organic compound metabolites using a standardized naming system. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 235, 113749.	4.3	11
28	Characterization of acrylonitrile exposure in the United States based on urinary n-acetyl-S-(2-cyanoethyl)-L-cysteine (2CYEMA): NHANES 2011-2016. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021, 31, 377-385.	3.9	9
29	Rapid quantitation of ascorbic and folic acids in SRM 3280 multivitamin/multielement tablets using flow-injection tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 163-168.	1.5	8
30	Exposure to 1,3-Butadiene in the U.S. Population: National Health and Nutrition Examination Survey 2011-2016. <i>Biomarkers</i> , 2021, 26, 371-383.	1.9	8
31	Cigarette smoking is associated with acrylamide exposure among the U.S. population: NHANES 2011-2016. <i>Environmental Research</i> , 2022, 209, 112774.	7.5	8
32	Optimal Cutoff Concentration of Urinary Cyanoethyl Mercapturic Acid for Differentiating Cigarette Smokers From Nonsmokers. <i>Nicotine and Tobacco Research</i> , 2022, 24, 761-767.	2.6	7
33	Large Differences in Urinary Benzene Metabolite S-Phenylmercapturic Acid Quantitation: A Comparison of Five LC-MS-MS Methods. <i>Journal of Analytical Toxicology</i> , 2021, 45, 657-665.	2.8	6
34	Urinary Acrylonitrile Metabolite Concentrations Before and after Smoked, Vaporized, and Oral Cannabis in Frequent and Occasional Cannabis Users. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6438.	2.6	5
35	Examination of xylene exposure in the U.S. Population through biomonitoring: NHANES 2005-2006, 2011-2016. <i>Biomarkers</i> , 2021, 26, 65-73.	1.9	4
36	Multiple Ion Transition Summation of Isotopologues for Improved Mass Spectrometric Detection of N-Acetyl-S-(1,2-dichlorovinyl)-L-cysteine. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1213-1219.	2.8	3

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37	Characterization of US population levels of urinary methylcarbamoyl mercapturic acid, a metabolite of N,N-dimethylformamide and methyl isocyanate, in the National Health and Nutrition Examination Survey (NHANES) 2005â€“2006 and 2011â€“2016. Environmental Science and Pollution Research, 2021, 28, 16781-16791.	5.3	3
38	Geometric Mean Serum Cotinine Concentrations Confirm a Continued Decline in Secondhand Smoke Exposure among U.S. Nonsmokersâ€“NHANES 2003 to 2018. International Journal of Environmental Research and Public Health, 2022, 19, 5862.	2.6	2
39	Characterization of the association between cigarette smoking intensity and urinary concentrations of 2-hydroxyethyl mercapturic acid among exclusive cigarette smokers in the National Health and Nutrition Examination Survey (NHANES) 2011â€“2016. Biomarkers, 2021, 26, 656-664.	1.9	1
40	Mitigating Matrix Effects in LC-ESI-MS/MS Analysis of a Urinary Biomarker of Xylenes Exposure. Journal of Analytical Toxicology, 0, , .	2.8	1
41	Nanofabrication of Disc on Pillar Substrates for Surface Enhanced Raman Spectroscopy. , 2010, , .		0