

Brian S Crow

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

488
citations

623574

14
h-index

713332

21
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23
all docs

23
docs citations

23
times ranked

533
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous Measurement of Tabun, Sarin, Soman, Cyclosarin, VR, VX, and VM Adducts to Tyrosine in Blood Products by Isotope Dilution UHPLC-MS/MS. <i>Analytical Chemistry</i> , 2014, 86, 10397-10405.	3.2	47
2	An enhanced butyrylcholinesterase method to measure organophosphorus nerve agent exposure in humans. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5187-5194.	1.9	45
3	Quantitation of five organophosphorus nerve agent metabolites in serum using hydrophilic interaction liquid chromatography and tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5195-5202.	1.9	43
4	Direct Quantitation of Methyl Phosphonate Adducts to Human Serum Butyrylcholinesterase by Immunomagnetic-UHPLC-MS/MS. <i>Analytical Chemistry</i> , 2013, 85, 11106-11111.	3.2	40
5	High performance liquid chromatography-tandem mass spectrometry (HPLC/MS/MS) assay for chiral separation of lactic acid enantiomers in urine using a teicoplanin based stationary phase. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 850, 190-198.	1.2	37
6	Rapid quantitative determination of fat-soluble vitamins and coenzyme Q-10 in human serum by reversed phase ultra-high pressure liquid chromatography with UV detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 89-94.	1.2	36
7	Simplified Method for Quantifying Sulfur Mustard Adducts to Blood Proteins by Ultrahigh Pressure Liquid Chromatography-Isotope Dilution Tandem Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2015, 28, 256-261.	1.7	32
8	Direct analysis of un-derivatized asymmetric dimethylarginine (ADMA) and L-arginine from plasma using mixed-mode ion-exchange liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 859, 164-169.	1.2	27
9	An Enhanced Throughput Method for Quantification of Sulfur Mustard Adducts to Human Serum Albumin Via Isotope Dilution Tandem Mass Spectrometry. <i>Journal of Analytical Toxicology</i> , 2014, 38, 8-15.	1.7	26
10	A simple and cost effective method for the quantification of 8-hydroxy-2'-deoxyguanosine from urine using liquid chromatography tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2008, 22, 394-401.	0.8	23
11	Simultaneous Measurement of 3-Chlorotyrosine and 3,5-Dichlorotyrosine in Whole Blood, Serum and Plasma by Isotope Dilution HPLC-MS-MS. <i>Journal of Analytical Toxicology</i> , 2016, 40, 264-271.	1.7	23
12	Analysis of urinary aromatic acids by liquid chromatography tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2008, 22, 1346-1353.	0.8	21
13	Quantitation of ortho-cresyl phosphate adducts to butyrylcholinesterase in human serum by immunomagnetic-UHPLC-MS/MS. <i>Journal of Mass Spectrometry</i> , 2015, 50, 683-692.	0.7	16
14	A quantitative method to detect human exposure to sulfur and nitrogen mustards via protein adducts. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1121, 9-17.	1.2	16
15	Quantification of urinary zwitterionic organic acids using weak-anion exchange chromatography with tandem MS detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 848, 303-310.	1.2	12
16	A simple and selective method for the measurement of leucine and isoleucine from plasma using electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 1920-1924.	0.7	10
17	Development of a clinical assay to measure chlorinated tyrosine in hair and tissue samples using a mouse chlorine inhalation exposure model. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1765-1776.	1.9	8
18	Profiling Cholinesterase Adduction: A High-Throughput Prioritization Method for Organophosphate Exposure Samples. <i>Journal of Biomolecular Screening</i> , 2014, 19, 325-330.	2.6	7

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19	Bridging the gap between sample collection and laboratory analysis: using dried blood spots to identify human exposure to chemical agents. , 2016, 98630, 98630P-98630P9.		7
20	Quantification of Hydrazine in Human Urine by HPLC-MS-MS. Journal of Analytical Toxicology, 2016, 40, 248-254.	1.7	6
21	Activation Parameters for the Epoxidation of Substituted cis/trans Pairs of 1,2-Dialkylalkenes by Dimethyldioxirane. European Journal of Organic Chemistry, 2006, 2006, 4642-4647.	1.2	3
22	Supplemental Learning in the Laboratory: An Innovative Approach for Evaluating Knowledge and Method Transfer. Journal of Chemical Education, 2017, 94, 1094-1097.	1.1	1