

Brian A Logue

List of Publications by Year in descending order

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66
papers

1,194
citations

394421

19
h-index

434195

31
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68
all docs

68
docs citations

68
times ranked

1299
citing authors

#	ARTICLE	IF	CITATIONS
1	The Analysis of Cyanide and its Breakdown Products in Biological Samples. <i>Critical Reviews in Analytical Chemistry</i> , 2010, 40, 122-147.	3.5	91
2	Development of a Fluorescence-Based Sensor for Rapid Diagnosis of Cyanide Exposure. <i>Analytical Chemistry</i> , 2014, 86, 1845-1852.	6.5	86
3	Determination of the cyanide metabolite 2-aminothiazoline-4-carboxylic acid in urine and plasma by gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 819, 237-244.	2.3	57
4	Simultaneous determination of cyanide and thiocyanate in plasma by chemical ionization gas chromatography mass-spectrometry (CI-GC-MS). <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 2287-2294.	3.7	56
5	A review of rapid and field-portable analytical techniques for the diagnosis of cyanide exposure. <i>Analytica Chimica Acta</i> , 2017, 960, 18-39.	5.4	54
6	Cyanide Toxicokinetics: The Behavior of Cyanide, Thiocyanate and 2-Amino-2-Thiazoline-4-Carboxylic Acid in Multiple Animal Models. <i>Journal of Analytical Toxicology</i> , 2014, 38, 218-225.	2.8	46
7	Comparing Therapeutic and Prophylactic Protection against the Lethal Effect of Paraoxon. <i>Toxicological Sciences</i> , 2004, 77, 258-262.	3.1	37
8	Comparison of cyanide exposure markers in the biofluids of smokers and non-smokers. <i>Biomarkers</i> , 2012, 17, 625-633.	1.9	37
9	TiO ₂ compact layers prepared by low temperature colloidal synthesis and deposition for high performance dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2012, 67, 18-23.	5.2	36
10	Percent residual accuracy for quantifying goodness-of-fit of linear calibration curves. <i>Talanta</i> , 2018, 189, 527-533.	5.5	36
11	U(VI) adsorption on natural iron-coated sands: comparison of approaches for modeling adsorption on heterogeneous environmental materials. <i>Applied Geochemistry</i> , 2004, 19, 1937-1951.	3.0	34
12	Simultaneous high-performance liquid chromatography-tandem mass spectrometry (HPLC-MS-MS) analysis of cyanide and thiocyanate from swine plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 727-734.	3.7	34
13	Determination of cyanide exposure by gas chromatography-mass spectrometry analysis of cyanide-exposed plasma proteins. <i>Analytica Chimica Acta</i> , 2010, 677, 24-28.	5.4	30
14	ICE Concentration Linked with Extractive Stirrer (ICECLES). <i>Analytica Chimica Acta</i> , 2016, 941, 41-48.	5.4	30
15	The analysis of 2-amino-2-thiazoline-4-carboxylic acid in the plasma of smokers and non-smokers. <i>Toxicology Mechanisms and Methods</i> , 2009, 19, 202-208.	2.7	27
16	Role of Surface Alteration in Determining the Mobility of U(VI) in the Presence of Citrate: Implications for Extraction of U(VI) from Soils. <i>Environmental Science & Technology</i> , 2004, 38, 3752-3759.	10.0	25
17	Transparent platinum counter electrode for efficient semi-transparent dye-sensitized solar cells. <i>Thin Solid Films</i> , 2014, 562, 578-584.	1.8	25
18	The Analysis of Protein-Bound Thiocyanate in Plasma of Smokers and Non-Smokers as a Marker of Cyanide Exposure. <i>Journal of Analytical Toxicology</i> , 2012, 36, 265-269.	2.8	22

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19	Development of sulfanegen for mass cyanide casualties. <i>Annals of the New York Academy of Sciences</i> , 2016, 1374, 202-209.	3.8	22
20	Interconnected ZrO ₂ doped ZnO/TiO ₂ network photoanode for dye-sensitized solar cells. <i>Energy Reports</i> , 2018, 4, 56-64.	5.1	22
21	Kinetics of Reduction of Nitrobenzene and Carbon Tetrachloride at an Iron-Oxide Coated Gold Electrode. <i>Environmental Science & Technology</i> , 2003, 37, 2356-2362.	10.0	19
22	The analysis of aroma/flavor compounds in green tea using ice concentration linked with extractive stirrer. <i>Journal of Chromatography A</i> , 2017, 1518, 8-14.	3.7	19
23	Grain Boundary Defect Passivation in Quadruple Cation Wide-Bandgap Perovskite Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2000740.	5.8	19
24	Determination of dimethyl trisulfide in rabbit blood using stir bar sorptive extraction gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1461, 10-17.	3.7	18
25	Spectrophotometric Analysis of the Cyanide Metabolite 2-Aminothiazoline-4-Carboxylic Acid (ATCA). <i>Toxicology Mechanisms and Methods</i> , 2006, 16, 339-345.	2.7	17
26	Organ-distribution of the metabolite 2-aminothiazoline-4-carboxylic acid in a rat model following cyanide exposure. <i>Biomarkers</i> , 2011, 16, 686-690.	1.9	17
27	Toxicokinetic profiles of $\hat{\pm}$ -ketoglutarate cyanohydrin, a cyanide detoxification product, following exposure to potassium cyanide. <i>Toxicology Letters</i> , 2013, 222, 83-89.	0.8	16
28	Comparison of the extraction efficiency of ice concentration linked with extractive stirrer, stir bar sorptive extraction, and solid-phase microextraction for pesticides from drinking water. <i>Journal of Chromatography A</i> , 2020, 1622, 461102.	3.7	16
29	Determination of 3-mercaptopyruvate in rabbit plasma by high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 949-950, 94-98.	2.3	15
30	Analysis of potential cyanide antidote, dimethyl trisulfide, in whole blood by dynamic headspace gas chromatography-mass spectroscopy. <i>Journal of Chromatography A</i> , 2019, 1591, 71-78.	3.7	15
31	Enzyme-based intravascular defense against organophosphorus neurotoxins: Synergism of dendritic-enzyme complexes with 2-PAM and atropine. <i>Nanotoxicology</i> , 2007, 1, 85-92.	3.0	14
32	Plasma persistence of 2-aminothiazoline-4-carboxylic acid in rat system determined by liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 891-892, 81-84.	2.3	14
33	Investigation of novel anthracene-bridged carbazoles as sensitizers and Co-sensitizers for dye-sensitized solar cells. <i>International Journal of Energy Research</i> , 2015, 39, 1335-1344.	4.5	12
34	Metabolism of Cyanide by Glutathione To Produce the Novel Cyanide Metabolite 2-Aminothiazoline-4-oxoaminoethanoic Acid. <i>Chemical Research in Toxicology</i> , 2019, 32, 718-726.	3.3	12
35	Ultrace analysis of per- and polyfluoroalkyl substances in drinking water using ice concentration linked with extractive stirrer and high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2021, 1659, 462493.	3.7	12
36	Analysis of Nerve Agent Metabolites from Hair for Long-Term Verification of Nerve Agent Exposure. <i>Analytical Chemistry</i> , 2016, 88, 6523-6530.	6.5	11

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37	Analysis of nerve agent metabolites from nail clippings by liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1031, 116-122.	2.3	10
38	Rapid and Low-Temperature Processing of Mesoporous and Nanocrystalline TiO ₂ Film Using Microwave Irradiation. <i>ACS Applied Energy Materials</i> , 2018, 1, 6288-6294.	5.1	9
39	Analysis of the Soil Fumigant, Dimethyl Disulfide, in Swine Blood by Dynamic Headspace Gas Chromatography- ¹³ C Mass Spectrometry. <i>Journal of Chromatography A</i> , 2021, 1638, 461856.	3.7	9
40	Rapid analysis of sulfur mustard oxide in plasma using gas chromatography-chemical ionization-mass spectrometry for diagnosis of sulfur mustard exposure. <i>Journal of Chromatography A</i> , 2018, 1572, 106-111.	3.7	8
41	Ultratrace analysis of nitrosodipropylamine in drinking water by Ice Concentration Linked with Extractive Stirrer gas-chromatography electron-ionization mass-spectrometry. <i>Journal of Chromatography A</i> , 2019, 1604, 460468.	3.7	7
42	Diagnosis of cyanide poisoning using an automated, field-portable sensor for rapid analysis of blood cyanide concentrations. <i>Analytica Chimica Acta</i> , 2020, 1098, 125-132.	5.4	7
43	Toxicity of canola-derived glucosinolates in pigs fed resistant starch-based diets. <i>Journal of Animal Science</i> , 2020, 98, .	0.5	7
44	Quantification of L-ketoglutarate cyanohydrin in swine plasma by ultra-high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 934, 60-65.	2.3	6
45	Simultaneous determination of 3-mercaptopyruvate and cobinamide in plasma by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1008, 181-188.	2.3	6
46	General Chemistry Laboratory Experiment To Demonstrate Organic Synthesis, Fluorescence, and Chemiluminescence through Production of a Biphasic Glow Stick. <i>Journal of Chemical Education</i> , 2017, 94, 1580-1583.	2.3	6
47	Functionalized carboxylate deposition of triphenylamine-based organic dyes for efficient dye-sensitized solar cells. <i>RSC Advances</i> , 2018, 8, 31943-31949.	3.6	6
48	Monitoring Dose Response of Cyanide Antidote Dimethyl Trisulfide in Rabbits Using Diffuse Optical Spectroscopy. <i>Journal of Medical Toxicology</i> , 2018, 14, 295-305.	1.5	6
49	Antidotal efficacies of the cyanide antidote candidate dimethyl trisulfide alone and in combination with cobinamide derivatives. <i>Toxicology Mechanisms and Methods</i> , 2019, 29, 438-444.	2.7	6
50	Analysis of TRPA1 antagonist, A-967079, in plasma using high-performance liquid chromatography tandem mass-spectrometry. <i>Journal of Pharmaceutical Analysis</i> , 2020, 10, 157-163.	5.3	6
51	Ultratrace analysis of atrazine in soil using Ice Concentration Linked with Extractive Stirrer and High Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Chromatography A</i> , 2021, 1635, 461753.	3.7	6
52	A Method for the High Performance Gel Filtration Chromatography Characterization of Inorganic Colloids. <i>Microchemical Journal</i> , 1997, 55, 151-161.	4.5	4
53	Electrodeposited AlSb compound semiconductor for thin film solar cells. , 2009, , .		4
54	Determination of methyl isopropyl hydantoin from rat erythrocytes by gas-chromatography mass-spectrometry to determine methyl isocyanate dose following inhalation exposure. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1093-1094, 119-127.	2.3	4

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55	A Laboratory Exercise To Demonstrate the Theory and Practice of Analytical Sampling. Journal of Chemical Education, 2010, 87, 316-319.	2.3	3
56	Rapid quantification of dimethyl methylphosphonate from activated carbon particles by static headspace gas chromatography mass spectrometry. Journal of Chromatography A, 2013, 1293, 120-125.	3.7	3
57	Development of sodium tetrathionate as a cyanide and methanethiol antidote. Clinical Toxicology, 2022, 60, 332-341.	1.9	3
58	Low cost platinum counter electrode for dye-sensitized solar cells. , 2013, , .		2
59	Evaluation of activated carbon respirator filter effectiveness by concentration mapping of dimethyl methylphosphonate. International Journal of Environmental Health Research, 2014, 24, 558-566.	2.7	2
60	Evaluation of aqueous dimethyl trisulfide as an antidote to a highly lethal cyanide poisoning in a large swine model. Clinical Toxicology, 2022, 60, 95-101.	1.9	2
61	Analysis of sodium 2-mercaptoethane sulfonate in rat plasma using high performance liquid chromatography tandem-mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2022, 1189, 123088.	2.3	2
62	Functionalized Carboxylate Deposition for rapid sensitization of dye-sensitized solar cells. Solar Energy, 2016, 126, 128-136.	6.1	1
63	Pharmacokinetics of next generation cyanide antidote sulfanegen in rabbits. International Journal of Pharmacokinetics, 2017, 2, 105-111.	0.5	1
64	Determination of free cyano-cobinamide in swine and rabbit plasma by liquid chromatography tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1124, 100-108.	2.3	1
65	Porcine in vitro fermentation characteristics of canola co-products in neutral and acidic fermentation medium pH. Animal Feed Science and Technology, 2022, 284, 115188.	2.2	1
66	Investigation of the photochemistry and photophysics of para-substituted tertiary thiocinnamamides. Journal of Photochemistry and Photobiology A: Chemistry, 1999, 128, 85-92.	3.9	0