Chris F Harrington

List of Publications by Citations

61 papers	1,888 citations	25 h-index	41 g-index
65 ext. papers	2,024 ext. citations	4.2 avg, IF	4.63 L-index

#	Paper	IF	Citations
61	Atomic spectrometry update. Environmental analysis. *Journal of Analytical Atomic Spectrometry*, **2006**, 21, 217-243	3.7	143
60	Method to reduce the memory effect of mercury in the analysis of fish tissue using inductively coupled plasma mass spectrometry. *Analytica Chimica Acta*, **2004**, 505, 247-254	6.6	118
59	The speciation of mercury and organomercury compounds by using high-performance liquid chromatography. *TrAC - Trends in Analytical Chemistry*, **2000**, 19, 167-179	14.6	113
58	A survey of arsenic in foodstuffs on sale in the United Kingdom and imported from Bangladesh. *Science of the Total Environment*, **2005**, 337, 23-30	10.2	105
57	Understanding arsenic metabolism through a comparative study of arsenic levels in the urine, hair and fingernails of healthy volunteers from three unexposed ethnic groups in the United Kingdom. *Toxicology and Applied Pharmacology*, **2006**, 216, 122-30	4.6	99
56	A biomaterial based approach for arsenic removal from water. *Journal of Environmental Monitoring*, **2005**, 7, 279-82		71
55	Human toenails as a biomarker of exposure to elevated environmental arsenic. *Journal of Environmental Monitoring*, **2009**, 11, 610-7		60
54	Quantitative arsenic speciation in two species of earthworms from a former mine site. *Journal of Environmental Monitoring*, **2008**, 10, 753-9		60
53	Metal(loid) levels in biological matrices from human populations exposed to mining contamination--Panasqueira Mine (Portugal). *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2012**, 75, 893-908	3.2	53
52	Cells deficient in the base excision repair protein, DNA polymerase beta, are hypersensitive to oxaliplatin chemotherapy. *Oncogene*, **2010**, 29, 463-8	9.2	48
51	Atomic spectrometry update. Environmental analysis. *Journal of Analytical Atomic Spectrometry*, **2007**, 22, 187	3.7	46
50	Potential for using isotopically altered metalloproteins in species-specific isotope dilution analysis of proteins by HPLC coupled to inductively coupled plasma mass spectrometry. *Analytical Chemistry* , **2005**, 77, 4034-41	7.8	46
49	Atomic spectrometry update. Environmental analysis. *Journal of Analytical Atomic Spectrometry*, **2009**, 24, 131	3.7	43
48	Structured approach to achieving high accuracy measurements with isotope dilution inductively coupled plasma mass spectrometry. *Journal of Analytical Atomic Spectrometry*, **1998**, 13, 1009-1013	3.7	42
47	Determination of cisplatin 1,2-intrastrand guanine-guanine DNA adducts in human leukocytes by high-performance liquid chromatography coupled to inductively coupled plasma mass spectrometry. *Chemical Research in Toxicology*, **2010**, 23, 1313-21	4	40
46	Isotopic labelling of peptides and isotope ratio analysis using LC-ICP-MS: a preliminary study. *Analytical and Bioanalytical Chemistry*, **2008**, 390, 61-5	4.4	40
45	Feasibility of asymmetric flow field-flow fractionation coupled to ICP-MS for the characterization of wear metal particles and metalloproteins in biofluids from hip replacement patients. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 4541-54	4.4	37

44	Atomic spectrometry update. Elemental speciation. *Journal of Analytical Atomic Spectrometry*, **2011**, 26, 1561	3.7	33
43	DNA damage in earthworms from highly contaminated soils: assessing resistance to arsenic toxicity by use of the Comet assay. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2010**, 696, 95-100	3	33
42	Arsenic biotransformation in earthworms from contaminated soils. *Journal of Environmental Monitoring*, **2009**, 11, 1484-91		33
41	Biomonitoring of several toxic metal(loid)s in different biological matrices from environmentally and occupationally exposed populations from Panasqueira mine area, Portugal. *Environmental Geochemistry and Health*, **2014**, 36, 255-69	4.7	32
40	Earthworms and in vitro physiologically-based extraction tests: complementary tools for a holistic approach towards understanding risk at arsenic-contaminated sites. *Environmental Geochemistry and Health*, **2009**, 31, 273-82	4.7	28
39	The determination of methylmercury in biological samples by HPLC coupled to ICP-MS detection. *Applied Organometallic Chemistry*, **2007**, 21, 303-310	3.1	27
38	A method for the quantitative analysis of iron speciation in meat by using a combination of spectrophotometric methods and high-performance liquid chromatography coupled to sector field inductively coupled plasma mass spectrometry. *Analytical Chemistry*, **2001**, 73, 4422-7	7.8	27
37	Atomic spectrometry update: review of advances in elemental speciation. *Journal of Analytical Atomic Spectrometry*, **2019**, 34, 1306-1350	3.7	25
36	Atomic Spectrometry Update. Elemental speciation. *Journal of Analytical Atomic Spectrometry*, **2009**, 24, 999	3.7	25
35	Atomic spectrometry update. Environmental analysis. *Journal of Analytical Atomic Spectrometry*, **2003**, 18, 170-202	3.7	25
34	Development of a liquid chromatography-electrospray ionization tandem mass spectrometry method for detecting oxaliplatin-DNA intrastrand cross-links in biological samples. *Chemical Research in Toxicology*, **2007**, 20, 1177-82	4	24
33	Atomic spectrometry update. Elemental speciation. *Journal of Analytical Atomic Spectrometry*, **2012**, 27, 1185	3.7	22
32	Atomic Spectrometry Updates: A 25-year retrospective. *Journal of Analytical Atomic Spectrometry*, **2010**, 25, 1546	3.7	22
31	Atomic spectrometry update. Environmental analysis. *Journal of Analytical Atomic Spectrometry*, **2005**, 20, 130	3.7	22
30	Atomic Spectrometry Update: review of advances in elemental speciation. *Journal of Analytical Atomic Spectrometry*, **2018**, 33, 1103-1149	3.7	22
29	Atomic spectrometry updates. Review of advances in elemental speciation. *Journal of Analytical Atomic Spectrometry*, **2014**, 29, 1158	3.7	21
28	Biotransformation of arsenobetaine by microorganisms from the human gastrointestinal tract. *Chemical Speciation and Bioavailability*, **2008**, 20, 173-180		20
27	Biomedical copper speciation in relation to Wilson's disease using strong anion exchange chromatography coupled to triple quadrupole inductively coupled plasma mass spectrometry. *Analytica Chimica Acta*, **2020**, 1098, 27-36	6.6	20

26	Atomic spectrometry update. Environmental analysis. *Journal of Analytical Atomic Spectrometry*, **2008**, 23, 249	3.7	19
25	Atomic spectrometry update. Elemental speciation. *Journal of Analytical Atomic Spectrometry*, **2010**, 25, 1185	3.7	18
24	Simplex optimisation of conditions for the determination of antimony in environmental samples by using electrothermal atomic absorption spectrometry. *Talanta*, **1997**, 44, 771-80	6.2	18
23	Atomic spectrometry update. Elemental speciation review. *Journal of Analytical Atomic Spectrometry*, **2013**, 28, 1153	3.7	17
22	Removal of the gadolinium interference from the measurement of selenium in human serum by use of collision cell quadrupole inductively coupled plasma mass spectrometry (Q-ICP-MS). *Annals of Clinical Biochemistry*, **2014**, 51, 386-91	2.2	17
21	Simplex optimisation of conditions for the determination of antimony in environmental samples by using electrothermal atomic absorption spectrometry. *Talanta*, **1997**, 44, 1241-51	6.2	16
20	Atomic Spectrometry Update: review of advances in elemental speciation. *Journal of Analytical Atomic Spectrometry*, **2015**, 30, 1427-1468	3.7	15
19	Atomic spectrometry update: review of advances in elemental speciation. *Journal of Analytical Atomic Spectrometry*, **2017**, 32, 1239-1282	3.7	13
18	Interference of gadolinium on the measurement of selenium in human serum by inductively coupled plasma-quadrupole mass spectrometry. *Annals of Clinical Biochemistry*, **2011**, 48, 176-7	2.2	13
17	Analytical approaches to investigating metal-containing drugs. *Journal of Pharmaceutical and Biomedical Analysis*, **2015**, 106, 210-7	3.5	12
16	Atomic spectrometry update: review of advances in elemental speciation. *Journal of Analytical Atomic Spectrometry*, **2020**, 35, 1236-1278	3.7	12
15	Analysis of soluble or titanium dioxide derived titanium levels in human whole blood: consensus from an inter-laboratory comparison. *Analyst, The*, **2018**, 143, 5520-5529	5	11
14	Quantitative Analysis of Iron-Containing Protein Myoglobin in Different Foodstuffs by Liquid Chromatography Coupled to High-Resolution Inductively Coupled Plasma Mass Spectrometry. *Journal of AOAC INTERNATIONAL*, **2004**, 87, 253-258	1.7	10
13	Atomic spectrometry update. Environmental analysis. *Journal of Analytical Atomic Spectrometry*, **2004**, 19, 301	3.7	10
12	Atomic Spectrometry Update: review of advances in elemental speciation. *Journal of Analytical Atomic Spectrometry*, **2016**, 31, 1330-1373	3.7	9
11	Atomic Spectrometry Update: review of advances in elemental speciation. *Journal of Analytical Atomic Spectrometry*, **2021**, 36, 1326-1373	3.7	9
10	Metal-on-metal hip implants. UK quality assurance of blood cobalt and chromium after hip implants. *BMJ, The*, **2012**, 344, e4017	5.9	8
9	Measurement of titanium in hip-replacement patients by inductively coupled plasma optical emission spectroscopy. *Annals of Clinical Biochemistry*, **2017**, 54, 362-369	2.2	7

8	Construction and Evaluation of a Low Cost Interface for the Determination of Elemental Speciation by Gas Chromatography Coupled to Inductively Coupled Plasma Mass Spectrometry (GC-ICP-MS). *Instrumentation Science and Technology*, **2007**, 35, 15-31	1.4	6
7	Is the synovial fluid cobalt-to-chromium ratio related to the serum partitioning of metal debris following metal-on-metal hip arthroplasty?. *Bone and Joint Research*, **2019**, 8, 146-155	4.2	5
6	Optimization of a Reversed-Phase High Performance Liquid Chromatography Separation Using An Ion-Pair Reagent for the Determination of Carboxylic Acids in Plant Materials. *Journal of Liquid Chromatography and Related Technologies*, **1997**, 20, 1773-1787	1.3	5
5	Nodular rheumatoid arthritis (RA): A distinct disease subtype, initiated by cadmium inhalation inducing pulmonary nodule formation and subsequent RA-associated autoantibody generation. *Medical Hypotheses*, **2019**, 122, 48-55	3.8	5
4	"Quiet Reflections" by an Artist With Seropositive Rheumatoid Arthritis, Highlighting the Potential Role of Cadmium Inhalation in the Workplace as a Trigger for Rheumatoid Arthritis. *Journal of Clinical Rheumatology*, **2016**, 22, 276	1.1	2
3	An assessment of clinical laboratory performance for the determination of manganese in blood and urine. *Clinical Chemistry and Laboratory Medicine*, **2016**, 54, 1921-1928	5.9	2
2	Is the measurement of copper and iron in liver biopsies reliable? Results from a pilot external quality assurance scheme. *Journal of Trace Elements in Medicine and Biology*, **2019**, 52, 288-292	4.1	1
1	Establishing a baseline value for urinary arsenic:selenium ratio in unexposed populations in the United Kingdom. *Biomedical Spectroscopy and Imaging*, **2013**, 2, 225-240	1.3	