

Keith E Levine

List of Publications by Year in descending order

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62
papers

1,489
citations

279798

23
h-index

345221

36
g-index

65
all docs

65
docs citations

65
times ranked

2248
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Human Serum and Whole Blood for Mineral Content by ICP-MS and ICP-OES: Development of a Mineralomics Method. <i>Biological Trace Element Research</i> , 2014, 160, 132-142.	3.5	114
2	Is Urinary Cadmium a Biomarker of Long-term Exposure in Humans? A Review. <i>Current Environmental Health Reports</i> , 2016, 3, 450-458.	6.7	110
3	Exposure to Hexavalent Chromium Resulted in Significantly Higher Tissue Chromium Burden Compared With Trivalent Chromium Following Similar Oral Doses to Male F344/N Rats and Female B6C3F1 Mice. <i>Toxicological Sciences</i> , 2010, 118, 368-379.	3.1	67
4	A Phase I Trial of Oxaliplatin for Intraperitoneal Hyperthermic Chemoperfusion for the Treatment of Peritoneal Surface Dissemination from Colorectal and Appendiceal Cancers. <i>Annals of Surgical Oncology</i> , 2008, 15, 2137-2145.	1.5	66
5	Arsenic Exposure and Incidence of Type 2 Diabetes in Southwestern American Indians. <i>American Journal of Epidemiology</i> , 2013, 177, 962-969.	3.4	59
6	Additional perspectives on chronic kidney disease of unknown aetiology (CKDu) in Sri Lanka – lessons learned from the WHO CKDu population prevalence study. <i>BMC Nephrology</i> , 2014, 15, 125.	1.8	59
7	Quest to identify geochemical risk factors associated with chronic kidney disease of unknown etiology (CKDu) in an endemic region of Sri Lanka – a multimedia laboratory analysis of biological, food, and environmental samples. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 548.	2.7	54
8	Tungsten Coil Devices in Atomic Spectrometry: Absorption, Fluorescence, and Emission. <i>Analytical Sciences</i> , 2001, 17, 175-180.	1.6	48
9	Mercury levels and fish consumption practices in women of child-bearing age in the Florida Panhandle. <i>Environmental Research</i> , 2008, 108, 320-326.	7.5	46
10	Redesigning the DNA-Targeted Chromophore in Platinum-Acridine Anticancer Agents: A Structure-Activity Relationship Study. <i>Chemistry - A European Journal</i> , 2014, 20, 16174-16187.	3.3	43
11	Leaching potential and redox transformations of arsenic and selenium in sediment microcosms with fly ash. <i>Applied Geochemistry</i> , 2016, 67, 177-185.	3.0	43
12	Blood levels of cadmium and lead in relation to breast cancer risk in three prospective cohorts. <i>International Journal of Cancer</i> , 2019, 144, 1010-1016.	5.1	43
13	Dietary Intake Estimates and Urinary Cadmium Levels in Danish Postmenopausal Women. <i>PLoS ONE</i> , 2015, 10, e0138784.	2.5	41
14	Low-Cost, Modular Electrothermal Vaporization System for Inductively Coupled Plasma Atomic Emission Spectrometry. <i>Applied Spectroscopy</i> , 1998, 52, 1165-1171.	2.2	39
15	Development and application of a robust speciation method for determination of six arsenic compounds present in human urine. <i>Environmental Health Perspectives</i> , 2003, 111, 293-296.	6.0	39
16	Disposition of intravenously or orally administered silver nanoparticles in pregnant rats and the effect on the biochemical profile in urine. <i>Journal of Applied Toxicology</i> , 2017, 37, 530-544.	2.8	37
17	Urinary Cadmium and Breast Cancer: A Prospective Danish Cohort Study. <i>Journal of the National Cancer Institute</i> , 2017, 109, djw204.	6.3	36
18	Determination of Mercury in an Assortment of Dietary Supplements Using an Inexpensive Combustion Atomic Absorption Spectrometry Technique. <i>Journal of Automated Methods and Management in Chemistry</i> , 2005, 2005, 211-216.	0.5	32

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19	Lead in drinking water at North Carolina childcare centers: Piloting a citizen science-based testing strategy. <i>Environmental Research</i> , 2020, 183, 109126.	7.5	30
20	An Inductively Coupled Plasma Carbon Emission Detector for Aqueous Carbohydrate Separations by Liquid Chromatography. <i>Analytical Chemistry</i> , 2001, 73, 453-457.	6.5	28
21	Analysis of the DNA damage produced by a platinum ^{II} acridine antitumor agent and its effects in NCI-H460 lung cancer cells. <i>Metallomics</i> , 2012, 4, 645.	2.4	28
22	A comparative review: Chronic Kidney Disease of unknown etiology (CKDu) research conducted in Latin America versus Asia. <i>Environmental Research</i> , 2021, 192, 110270.	7.5	27
23	Role of Autophagy in Cadmium-Induced Hepatotoxicity and Liver Diseases. <i>Journal of Toxicology</i> , 2021, 2021, 1-14.	3.0	27
24	Evaluation of a high-pressure, high-temperature microwave digestion system. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 49-59.	3.0	25
25	A simple, low cost, multielement atomic absorption spectrometer with a tungsten coil atomizer. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1998, 53, 1507-1516.	2.9	24
26	Variability in the Yield of Benzophenanthridine Alkaloids in Wildcrafted vs Cultivated Bloodroot (<i>Sanguinaria canadensis</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 1205-1211.	5.2	20
27	Development of an Analytical Method for Assessment of Silver Nanoparticle Content in Biological Matrices by Inductively Coupled Plasma Mass Spectrometry. <i>Biological Trace Element Research</i> , 2015, 163, 184-192.	3.5	18
28	Development, validation, and application of an ultra-performance liquid chromatography ^{II} sector field inductively coupled plasma mass spectrometry method for simultaneous determination of six organotin compounds in human serum. <i>Talanta</i> , 2015, 140, 115-121.	5.5	18
29	Mercury exposure, serum antinuclear antibodies, and serum cytokine levels in the Long Island Study of Seafood Consumption: A cross-sectional study in NY, USA. <i>Environmental Research</i> , 2017, 156, 334-340.	7.5	17
30	Seasonal Contribution of Isoprene-Derived Organosulfates to Total Water-Soluble Fine Particulate Organic Sulfur in the United States. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2419-2432.	2.7	16
31	Metals and Breast Cancer Risk: A Prospective Study Using Toenail Biomarkers. <i>American Journal of Epidemiology</i> , 2021, 190, 2360-2373.	3.4	15
32	Temporal variability of urinary cadmium in spot urine samples and first morning voids. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2017, 27, 306-312.	3.9	13
33	Low levels of lead and glutathione markers of redox status in human blood. <i>Environmental Geochemistry and Health</i> , 2018, 40, 1175-1185.	3.4	13
34	Aspects of bioanalytical method validation for the quantitative determination of trace elements. <i>Bioanalysis</i> , 2011, 3, 1699-1712.	1.5	12
35	Temporal stability of urinary cadmium in samples collected several years apart in a population of older persons. <i>International Journal of Hygiene and Environmental Health</i> , 2019, 222, 230-234.	4.3	12
36	Trace Element Content of Senna Study Material and Selected Senna-Based Dietary Supplements as Determined by Inductively Coupled Plasma-Optical Emission Spectrometry and Inductively Coupled Plasma-Mass Spectrometry. <i>Communications in Soil Science and Plant Analysis</i> , 2004, 35, 835-851.	1.4	11

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37	Rapid speciation and determination of vanadium compounds using ion-pair reversed-phase ultra-high-performance liquid chromatography inductively coupled plasma-sector field mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1304, 121-126.	3.7	11
38	Development and Validation of a High- Throughput Method for the Determination of Titanium Dioxide in Rodent Lung and Lung-Associated Lymph Node Tissues. <i>Analytical Letters</i> , 2003, 36, 563-576.	1.8	10
39	Validation of a Metallomics Analysis of Placenta Tissue by Inductively-Coupled Plasma Mass Spectrometry. <i>Biological Trace Element Research</i> , 2016, 169, 164-173.	3.5	8
40	DEVELOPMENT AND VALIDATION OF A METHOD FOR THE DETERMINATION OF MERCURY IN SMALL RAT BRAIN TISSUE SAMPLES BY COLD VAPOR ATOMIC FLUORESCENCE SPECTROMETRY. <i>Analytical Letters</i> , 2002, 35, 1505-1517.	1.8	7
41	Validation and Application of a Method for the Determination of Total Chromium in Rat Tissues by Inductively Coupled Plasma Mass Spectrometry. <i>Archives of Environmental Contamination and Toxicology</i> , 2010, 58, 883-891.	4.1	7
42	The status of trace elements analysis in biological systems. <i>Bioanalysis</i> , 2011, 3, 1695-1697.	1.5	7
43	Safeguarding Children's Health. <i>North Carolina Medical Journal</i> , 2018, 79, 313-317.	0.2	6
44	Predictors of Urinary Arsenic Levels among Postmenopausal Danish Women. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1340.	2.6	6
45	Erythrocyte levels of cadmium and lead and risk of <i>B-cell non-Hodgkin lymphoma and multiple myeloma</i> . <i>International Journal of Cancer</i> , 2020, 147, 3110-3118.	5.1	6
46	Validation of a Method for the Determination of Total Chromium in Rat Feces by Inductively Coupled Plasma Optical Emission Spectrometry. <i>Analytical Letters</i> , 2009, 42, 2729-2746.	1.8	5
47	Characterization of Zinc Carbonate Basic as a Source of Zinc in a Rodent Study Investigating the Effects of Dietary Deficiency or Excess. <i>Analytical Letters</i> , 2017, 50, 2447-2464.	1.8	5
48	Elemental Analysis Using Microwave Digestion and an Environmental Evaporation Chamber. <i>Applied Spectroscopy</i> , 1998, 52, 200-204.	2.2	4
49	Development of a method for the determination of ultra-trace level mercury in adipose tissue by cold vapour atomic fluorescence spectrometry. <i>Journal of Automated Methods and Management in Chemistry</i> , 2000, 22, 103-108.	0.5	4
50	Characterization of an assortment of commercially available multiwalled carbon nanotubes. <i>Mikrochimica Acta</i> , 2014, 181, 171-179.	5.0	4
51	Evaluation of methods for analysis of lead in air particulates: an intra-laboratory and inter-laboratory comparison. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 256-261.	3.5	4
52	Internal dose of vanadium in rats following repeated exposure to vanadyl sulfate and sodium orthovanadate via drinking water. <i>Toxicology and Applied Pharmacology</i> , 2021, 412, 115395.	2.8	4
53	Quantitation of Total Vanadium in Rodent Plasma and Urine by Inductively Coupled Plasma ⁴¹ Mass Spectrometry (ICP-MS). <i>Analytical Letters</i> , 2021, 54, 2777-2788.	1.8	4
54	Validation of Analytical Method for Determination of Thallium in Rodent Plasma and Tissues by Inductively Coupled Plasma ²⁰² Mass Spectrometry (ICP-MS). <i>Analytical Letters</i> , 2022, 55, 1269-1280.	1.8	4

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55	Determination of Iodine in Low Mass Human Hair Samples by Inductively Coupled Plasma Mass Spectrometry. Bulletin of Environmental Contamination and Toxicology, 2007, 79, 401-404.	2.7	3
56	Preparation of Thin Films for Elemental Analysis of Nail Polish by Wavelength Dispersive X-Ray Fluorescence Spectroscopy. Analytical Letters, 2015, 48, 2122-2135.	1.8	3
57	Low-level mercury, omega-3 index and neurobehavioral outcomes in an adult US coastal population. European Journal of Nutrition, 2016, 55, 699-711.	3.9	3
58	Total sulfur analysis of fine particulate mass on nylon filters by ICP-OES. Journal of Environmental Quality, 2020, 49, 762-768.	2.0	3
59	Systemic exposure and urinary excretion of vanadium following perinatal subchronic exposure to vanadyl sulfate and sodium metavanadate via drinking water. Toxicology Letters, 2022, 360, 53-61.	0.8	3
60	Development and Optimization of a Procedure for the Determination of Indium-Tin Oxide Particle Size and Concentration in Cellular Media. Analytical Letters, 2014, 47, 1614-1625.	1.8	2
61	Metabolism and disposition of [14C]dimethylamine borane in male Harlan Sprague Dawley rats following gavage administration, intravenous administration and dermal application. Xenobiotica, 2014, 44, 36-47.	1.1	1
62	A Participatory Science Approach to Evaluating Factors Associated with the Occurrence of Metals and PFAS in Guatemala City Tap Water. International Journal of Environmental Research and Public Health, 2022, 19, 6004.	2.6	1