

# James V Cizdziel

## List of Publications by Year in descending order

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Version: 2024-02-01

72  
papers

1,720  
citations

257450

24  
h-index

315739

38  
g-index

73  
all docs

73  
docs citations

73  
times ranked

2075  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of total mercury in human hair and animal fur by combustion atomic absorption spectrometry. <i>Talanta</i> , 2004, 64, 918-921.	5.5	102
2	Distribution of mercury in the tissues of five species of freshwater fish from Lake Mead, USA. <i>Journal of Environmental Monitoring</i> , 2003, 5, 802.	2.1	99
3	Occurrence of Microplastic Pollution at Oyster Reefs and Other Coastal Sites in the Mississippi Sound, USA: Impacts of Freshwater Inflows from Flooding. <i>Toxics</i> , 2020, 8, 35.	3.7	87
4	Characterization of microplastics in environment by thermal gravimetric analysis coupled with Fourier transform infrared spectroscopy. <i>Marine Pollution Bulletin</i> , 2019, 145, 153-160.	5.0	83
5	Separation and identification of microplastics in marine organisms by TGA-FTIR-GC/MS: A case study of mussels from coastal China. <i>Environmental Pollution</i> , 2021, 272, 115946.	7.5	65
6	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 2002, 135, 355-370.	2.4	62
7	Effect of prothioconazole on the degradation of microplastics derived from mulching plastic film: Apparent change and interaction with heavy metals in soil. <i>Environmental Pollution</i> , 2020, 260, 113988.	7.5	62
8	Ecotoxicological effects of micronized car tire wear particles and their heavy metals on the earthworm ( <i>Eisenia fetida</i> ) in soil. <i>Science of the Total Environment</i> , 2021, 793, 148613.	8.0	53
9	Determination of lead in blood by laser ablation ICP-TOF-MS analysis of blood spotted and dried on filter paper: a feasibility study. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 603-611.	3.7	51
10	Attics as archives for house infiltrating pollutants: trace elements and pesticides in attic dust and soil from southern Nevada and Utah. <i>Microchemical Journal</i> , 2000, 64, 85-92.	4.5	50
11	Single-Pot Method for the Collection and Preparation of Natural Water for Microplastic Analyses: Microplastics in the Mississippi River System during and after Historic Flooding. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 986-995.	4.3	47
12	Mercury-free, small-scale artisanal gold mining in Mozambique: utilization of magnets to isolate gold at clean tech mine. <i>Journal of Cleaner Production</i> , 2012, 32, 88-95.	9.3	43
13	Excess plutonium in soil near the Nevada Test Site, USA. <i>Environmental Pollution</i> , 2003, 125, 193-203.	7.5	41
14	<sup>239</sup> , <sup>240</sup> , <sup>241</sup> Pu fingerprinting of plutonium in western US soils using ICPMS: solution and laser ablation measurements. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 521-530.	3.7	41
15	Activated Carbon and Biochar Reduce Mercury Methylation Potentials in Aquatic Sediments. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 96, 536-539.	2.7	36
16	Lack of transgene and glyphosate effects on yield, and mineral and amino acid content of glyphosate-resistant soybean. <i>Pest Management Science</i> , 2018, 74, 1166-1173.	3.4	35
17	Elemental fingerprinting of soils using ICP-MS and multivariate statistics: A study for and by forensic chemistry majors. <i>Forensic Science International</i> , 2013, 233, 37-44.	2.2	33
18	Gill Histopathologies Following Exposure to Nanosilver or Silver Nitrate. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2015, 78, 301-315.	2.3	33

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19	Identification of polymers and organic gunshot residue in evidence from 3D-printed firearms using DART-mass spectrometry: A feasibility study. <i>Forensic Chemistry</i> , 2017, 5, 26-32.	2.8	32
20	Concentrations of select dissolved trace elements and anthropogenic organic compounds in the Mississippi River and major tributaries during the summer of 2012 and 2013. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 73.	2.7	30
21	Simultaneous determination of mercury and organic carbon in sediment and soils using a direct mercury analyzer based on thermal decomposition-atomic absorption spectrophotometry. <i>Analytica Chimica Acta</i> , 2015, 871, 9-17.	5.4	28
22	Determination of elements in situ in green leaves by laser ablation ICP-MS using pressed reference materials for calibration. <i>Analytical Methods</i> , 2012, 4, 564-569.	2.7	26
23	Selenium concentrations in water and plant tissues of a newly formed arid wetland in Las Vegas, Nevada. <i>Environmental Monitoring and Assessment</i> , 2007, 135, 447-457.	2.7	25
24	The Source of Iron-Oxide Pigments Used in Pecos River Style Rock Paints. <i>Archaeometry</i> , 2013, 55, 1088-1100.	1.3	25
25	Analysis of herbal supplements for selected dietary minerals and trace elements by laser ablation- and solution-based ICPMS. <i>Microchemical Journal</i> , 2013, 106, 244-249.	4.5	25
26	Integrated stratigraphy of the upper Neoproterozoic succession in Yunnan Province of South China: Re-evaluation of global correlation and carbon cycle. <i>Precambrian Research</i> , 2005, 138, 1-36.	2.7	24
27	Effects of Glyphosate on the Mineral Content of Glyphosate-Resistant Soybeans ( <i>Glycine max</i> ). <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 6764-6771.	5.2	24
28	Resolving Nevada Test Site and Global Fallout Plutonium in Attic Dust and Soils Using <sup>137</sup> Cs/ <sup>239</sup> + <sup>240</sup> Pu Activity Ratios. <i>Health Physics</i> , 1999, 77, 67-75.	0.5	23
29	Detecting and Quantifying Microplastics in Bottled Water using Fluorescence Microscopy: A New Experiment for Instrumental Analysis and Environmental Chemistry Courses. <i>Journal of Chemical Education</i> , 2020, 97, 234-238.	2.3	23
30	<sup>234</sup> U/ <sup>238</sup> U isotope ratios in groundwater from Southern Nevada: a comparison of alpha counting and magnetic sector ICP-MS. <i>Science of the Total Environment</i> , 2005, 350, 248-260.	8.0	22
31	Plutonium anomalies in attic dust and soils at locations surrounding the Nevada test site. <i>Chemosphere</i> , 1998, 37, 1157-1168.	8.2	21
32	Plutonium concentration and <sup>240</sup> Pu/ <sup>239</sup> Pu atom ratio in biota collected from Amchitka Island, Alaska: recent measurements using ICP-SFMS. <i>Journal of Environmental Radioactivity</i> , 2013, 124, 29-36.	1.7	19
33	Caudal Fin Mercury as a Non-Lethal Predictor of Fish-Muscle Mercury. <i>Environmental Chemistry</i> , 2005, 2, 96.	1.5	19
34	Mercury concentrations in fish from three major lakes in north Mississippi: Spatial and temporal differences and human health risk assessment. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2016, 79, 894-904.	2.3	18
35	Direct analysis of environmental and biological samples for total mercury with comparison of sequential atomic absorption and fluorescence measurements from a single combustion event. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 176-180.	2.9	17
36	Direct mercury analysis in environmental solids by ICP-MS with on-line sample ashing and mercury pre-concentration using a direct mercury analyzer. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1668-1672.	3.0	17

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37	Mercury content of whole cigarettes, cigars and chewing tobacco packets using pyrolysis atomic absorption spectrometry with gold amalgamation. <i>Journal of Analytical and Applied Pyrolysis</i> , 2008, 83, 7-11.	5.5	16
38	Adaption and use of a quadcopter for targeted sampling of gaseous mercury in the atmosphere. <i>Environmental Science and Pollution Research</i> , 2018, 25, 13195-13202.	5.3	16
39	Mercury concentrations, speciation, and isotopic composition in sediment from a cold seep in the northern Gulf of Mexico. <i>Marine Pollution Bulletin</i> , 2013, 77, 308-314.	5.0	15
40	Glyphosate Resistance Technology Has Minimal or No Effect on Maize Mineral Content and Yield. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 10139-10146.	5.2	15
41	Temporal patterns of atmospheric mercury species in northern Mississippi during 2011â€“2012: Influence of sudden population swings. <i>Chemosphere</i> , 2013, 93, 1694-1700.	8.2	14
42	Chemical and colloidal analyses of natural seep water collected from the exploratory studies facility inside Yucca Mountain, Nevada, USA. <i>Environmental Geochemistry and Health</i> , 2008, 30, 31-44.	3.4	13
43	Rock Varnish: A Passive Forensic Tool for Monitoring Recent Air Pollution and Source Identification. <i>Nuclear Technology</i> , 2011, 175, 351-359.	1.2	13
44	Exposure to mixtures of mercury, cadmium, lead, and arsenic alters the disposition of single metals in tissues of Wistar rats. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2018, 81, 1246-1256.	2.3	13
45	On the use of multicopters for sampling and analysis of volatile organic compounds in the air by adsorption/thermal desorption GC-MS. <i>Air Quality, Atmosphere and Health</i> , 2018, 11, 835-842.	3.3	13
46	Identification of silver nanoparticles in <i>Pimephales promelas</i> gastrointestinal tract and gill tissues using flow field flow fractionation ICP-MS. <i>RSC Advances</i> , 2014, 4, 41277-41280.	3.6	11
47	Air/Surface Exchange of Gaseous Elemental Mercury at Different Landscapes in Mississippi, USA. <i>Atmosphere</i> , 2019, 10, 538.	2.3	11
48	Distribution and characteristics of microplastics in beach sand near the outlet of a major reservoir in north Mississippi, USA. <i>Microplastics and Nanoplastics</i> , 2022, 2, .	8.8	11
49	Sources and Concentrations of Mercury and Selenium In Compartments within the Las Vegas Wash During A Period of Rapid Change. <i>Environmental Monitoring and Assessment</i> , 2005, 107, 81-99.	2.7	10
50	Preliminary Evaluation of the Use of Homing Pigeons as Biomonitors of Mercury in Urban Areas of the USA and China. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2013, 90, 302-307.	2.7	10
51	Elemental chemistry of sand-boil discharge used to trace variable pathways of seepage beneath levees during the 2011 Mississippi River flood. <i>Applied Geochemistry</i> , 2013, 28, 62-68.	3.0	9
52	Analysis of mercury in rock varnish samples in areas impacted by coal-fired power plants. <i>Environmental Pollution</i> , 2013, 179, 132-137.	7.5	8
53	Can the MerPAS Passive Air Sampler Discriminate Landscape, Seasonal, and Elevation Effects on Atmospheric Mercury? A Feasibility Study in Mississippi, USA. <i>Atmosphere</i> , 2019, 10, 617.	2.3	8
54	Comprehensive classification of USA cannabis samples based on chemical profiles of major cannabinoids and terpenoids. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2020, 43, 172-184.	1.0	7

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55	Total mercury and methylmercury migration and transformation in an A2/O wastewater treatment plant. <i>Science of the Total Environment</i> , 2020, 710, 136384.	8.0	7
56	Comprehensive chromatographic profiling of cannabis from 23 USA States marketed for medical purposes. <i>Acta Chromatographica</i> , 2020, 33, 78-90.	1.3	7
57	Recent measurements of <sup>36</sup> Cl in Yucca Mountain rock, soil and seepage. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2008, 275, 133-144.	1.5	6
58	Geochemical Characteristics of Soils on Ellis Island, New York-New Jersey, Sixty Years after the Abandonment of the Hospital Complex. <i>Geosciences (Switzerland)</i> , 2018, 8, 13.	2.2	6
59	Mercury Concentrations in Groundwater Collected from Wells on and near the Nevada Test Site, USA. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2004, 72, 202-210.	2.7	5
60	Mercury in Environmental and Biological Samples Using Online Combustion with Sequential Atomic Absorption and Fluorescence Measurements: A Direct Comparison of Two Fundamental Techniques in Spectrometry. <i>Journal of Chemical Education</i> , 2011, 88, 209-215.	2.3	4
61	Actinides input to the dose in the irradiated graphite of RBMK-1500 reactor. <i>Nuclear Engineering and Design</i> , 2016, 300, 530-535.	1.7	4
62	Gaseous Elemental Mercury Concentrations along the Northern Gulf of Mexico Using Passive Air Sampling, with a Comparison to Active Sampling. <i>Atmosphere</i> , 2020, 11, 1034.	2.3	4
63	Linear discriminant analysis based on gas chromatographic measurements for geographical prediction of USA medical domestic cannabis. <i>Acta Chromatographica</i> , 2021, 33, 179-187.	1.3	4
64	Are Rural and Small Community Aerated Wastewater Stabilization Ponds a Neglected Source of Microplastic Pollution?. <i>Water (Switzerland)</i> , 2021, 13, 2833.	2.7	4
65	Elemental fingerprinting of gypsum drywall using sector field ICP-MS and multivariate statistics. <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 1273-1287.	3.3	3
66	Variations in mercury concentration within and across lichen <i>Xanthoparmelia</i> spp. individuals: implications for evaluating histories of contaminant loading and sampling design. <i>Environmental Chemistry</i> , 2013, 10, 395.	1.5	3
67	Determination of Metals in Tree Rings by ICP-MS Using Ash from a Direct Mercury Analyzer. <i>Molecules</i> , 2020, 25, 2126.	3.8	3
68	Concentrations of Gaseous Elemental Mercury in Ambient Air within an Academic Chemistry Building. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011, 86, 419-422.	2.7	2
69	Historical deposition of trace metals in a marine sapropel from Mangrove Lake, Bermuda with emphasis on mercury, lead, and their isotopic composition. <i>Journal of Soils and Sediments</i> , 2020, 20, 2266-2276.	3.0	2
70	Numerical simulation of atmospheric mercury in mid-south USA. <i>Air Quality, Atmosphere and Health</i> , 2014, 7, 525-540.	3.3	1
71	Atmospheric Mercury Monitoring, Analysis, and Chemistry: New Insights and Progress toward Minamata Convention Goals. <i>Atmosphere</i> , 2021, 12, 166.	2.3	0
72	Three-Dimensional Numerical Modeling of Flow Hydrodynamics and Cohesive Sediment Transport in Enid Lake, Mississippi. <i>Geosciences (Switzerland)</i> , 2022, 12, 160.	2.2	0