

Presence of thallium in the environment: sources of contamination and monitoring methods

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Thallium contamination in arable soils and vegetables around a steel plant—A newly-found significant source of Tl pollution in South China. <i>Environmental Pollution</i> , 2017, 224, 445-453.	3.7	131
2	Phytostabilisation of severely contaminated mine tailings using halophytes and field addition of organic and inorganic amendments. <i>Chemosphere</i> , 2017, 178, 556-564.	4.2	40
3	Toxic elements and associations with hematology, plasma biochemistry, and protein electrophoresis in nesting loggerhead sea turtles (<i>Caretta caretta</i>) from Casey Key, Florida. <i>Environmental Pollution</i> , 2017, 231, 1398-1411.	3.7	24
4	Identification of complexes involving thallium(I) and thallium(III) with EDTA and DTPA ligands by electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1785-1792.	0.7	10
5	Ultra-trace determination of thallium by electrochemical hydride generation using efficient tungsten electrodes followed by in situ trapping on a graphite tube and detection by electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 2173-2181.	1.6	8
6	Mercury—modified Lignosulfonate—stabilized Gold Nanoparticles as an Alternative Material for Anodic Stripping Voltammetry of Thallium. <i>Electroanalysis</i> , 2017, 29, 2090-2097.	1.5	14
7	Publicly available datasets on thallium (Tl) in the environment—a comment on “Presence of thallium in the environment: sources of contaminations, distribution and monitoring methods” by Bozena Karbowska, <i>Environ Monit Assess</i> (2016) 188:640 (DOI 10.1007/s10661-016-5647-y). <i>Environmental Monitoring and Assessment</i> , 2017, 189, 232.	1.3	4
8	Thallium in the environment: A critical review focused on natural waters, soils, sediments and airborne particles. <i>Applied Geochemistry</i> , 2017, 84, 218-243.	1.4	149
9	Thallium (Tl) sorption onto illite and smectite: Implications for Tl mobility in the environment. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 230, 1-16.	1.6	67
10	Atomic spectrometry update—a review of advances in environmental analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 8-56.	1.6	30
11	Enrichment of Bi-Be-Mo-Cd-Pb-Nb-Ga, REEs and Y in the Permian coals of the Huainan Coalfield, Anhui, China. <i>Ore Geology Reviews</i> , 2018, 95, 431-455.	1.1	23
12	Predictors of thallium exposure and its relation with preterm birth. <i>Environmental Pollution</i> , 2018, 233, 971-976.	3.7	55
13	Chemical elements in the environment: Multi-element geochemical datasets from continental- to national-scale surveys on four continents. <i>Applied Geochemistry</i> , 2018, 89, 150-159.	1.4	22
14	Examining of Thallium in Cigarette Smokers. <i>Biological Trace Element Research</i> , 2018, 182, 224-230.	1.9	18
15	Radioanalytical and nuclear techniques in trace metal toxicology research. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 1749-1763.	0.7	5
16	Solid-phase distribution and mobility of thallium in mining-metallurgical residues: Environmental hazard implications. <i>Environmental Pollution</i> , 2018, 243, 1833-1845.	3.7	47
17	Monitoring Impacts of Urbanisation and Industrialisation on Air Quality in the Anthropocene Using Urban Pond Sediments. <i>Frontiers in Earth Science</i> , 2018, 6, .	0.8	48
18	Aided Phytostabilization of Mine Waste. , 2018, , 147-157.		13

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19	Integrated three-electrode screen-printed sensor modified with bismuth film for voltammetric determination of thallium(I) at the ultratrace level. <i>Analytica Chimica Acta</i> , 2018, 1036, 16-25.	2.6	19
20	Electrode Modified by Reduced Graphene Oxide for Monitoring of Total Thallium in Grain Products. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 653.	1.2	20
21	Thallium in flowering cabbage and lettuce: Potential health risks for local residents of the Pearl River Delta, South China. <i>Environmental Pollution</i> , 2018, 241, 626-635.	3.7	26
22	Interaction of acid mine drainage with biota in the Allchar Carlin-type As-Tl-Sb-Au deposit, Macedonia. <i>Journal of Geochemical Exploration</i> , 2018, 194, 104-119.	1.5	9
23	Thallium pollution in sediments response to consecutive water seasons in Three Gorges Reservoir using geochemical baseline concentrations. <i>Journal of Hydrology</i> , 2018, 564, 740-747.	2.3	11
24	Classification of cowpea beans using multielemental fingerprinting combined with supervised learning. <i>Food Control</i> , 2019, 95, 232-241.	2.8	14
25	Removal of thallium in water/wastewater: A review. <i>Water Research</i> , 2019, 165, 114981.	5.3	86
26	Removal of thallium from environmental samples using a raw and chemically modified biosorbent derived from domestic wastes. <i>Environmental Science and Pollution Research</i> , 2019, 26, 32285-32297.	2.7	3
27	Environmental exposure to non-essential trace elements in two bat species from urbanised (Tadarida) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 113034.	3.7	15
28	Amino acid functionalized glassy carbon electrode for the simultaneous detection of thallium and mercuric ions. <i>Electrochimica Acta</i> , 2019, 321, 134658.	2.6	29
29	Effect on the offspring of pregnant females CD-1 mice treated with a single thallium(I) application. <i>Reproductive Toxicology</i> , 2019, 90, 1-7.	1.3	10
30	High contamination risks of thallium and associated metal(loid)s in fluvial sediments from a steel-making area and implications for environmental management. <i>Journal of Environmental Management</i> , 2019, 250, 109513.	3.8	43
31	Simplification of organic matter before voltammetric determination of Tl(I) and Tl(III) in water using nanostructured photocatalyst and solar light. <i>Analytica Chimica Acta</i> , 2019, 1076, 48-54.	2.6	3
32	Prenatal exposure to thallium is associated with decreased mitochondrial DNA copy number in newborns: Evidence from a birth cohort study. <i>Environment International</i> , 2019, 129, 470-477.	4.8	50
33	An On-Line Flow-Injection Sorbent Extraction System Coupled with Flame Atomic Absorption Spectrometry for Thallium Determination Using a PTFE Turning-Packed Column. <i>Separations</i> , 2019, 6, 22.	1.1	4
34	Detection of trace elements in freshwater macrobenthic invertebrates of different functional feeding guilds: A case study in Northeast Italy. <i>Ecotoxicology and Hydrobiology</i> , 2019, 19, 428-440.	1.0	22
35	Thallium pollution in China and removal technologies for waters: A review. <i>Environment International</i> , 2019, 126, 771-790.	4.8	180
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37	Response of microbial communities and interactions to thallium in contaminated sediments near a pyrite mining area. <i>Environmental Pollution</i> , 2019, 248, 916-928.	3.7	70
38	Urinary concentrations of environmental metals and associating factors in pregnant women. <i>Environmental Science and Pollution Research</i> , 2019, 26, 13464-13475.	2.7	22
39	Effect of thallium exposure and its interaction with smoking on lung function decline: A prospective cohort study. <i>Environment International</i> , 2019, 127, 181-189.	4.8	26
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42	The speciation of thallium in (Tl,Sb,As)-rich pyrite. <i>Ore Geology Reviews</i> , 2019, 107, 364-380.	1.1	41
43	Human Health Risk Assessment and Potentially Harmful Element Contents in the Fruits Cultivated in the Southern Poland. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 5096.	1.2	10
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45	The mobility of thallium in sediments and source apportionment by lead isotopes. <i>Chemosphere</i> , 2019, 219, 864-874.	4.2	56
46	Comparative study on the nutrients, heavy metals and pesticide composition of some locally produced and marketed rice varieties in Nigeria. <i>Food Chemistry</i> , 2019, 278, 617-624.	4.2	17
47	Prenatal thallium exposure and poor growth in early childhood: A prospective birth cohort study. <i>Environment International</i> , 2019, 123, 224-230.	4.8	45
48	Bioaccumulation of Tl in otoliths of Trout-perch (<i>Percopsis omiscomaycus</i>) from the Athabasca River, upstream and downstream of bitumen mining and upgrading. <i>Science of the Total Environment</i> , 2019, 650, 2559-2566.	3.9	27
49	Temporal sedimentary record of thallium pollution in an urban lake: An emerging thallium pollution source from copper metallurgy. <i>Chemosphere</i> , 2020, 242, 125172.	4.2	73
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54	Thallium(I) sequestration by jarosite and birnessite: Structural incorporation vs surface adsorption. <i>Environmental Pollution</i> , 2020, 257, 113492.	3.7	42
55	Health Risk Assessment in Agricultural Soil Potentially Contaminated by Geogenic Thallium: Influence of Plant Species on Metal Mobility in Soil-Plant System. <i>Agronomy</i> , 2020, 10, 890.	1.3	17

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58	Persistent thallium contamination in river sediments, source apportionment and environmental implications. <i>Ecotoxicology and Environmental Safety</i> , 2020, 202, 110874.	2.9	28
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76	Behavior of thallium in pulverized coal utility boiler installations in Southwest China. <i>Journal of the Air and Waste Management Association</i> , 2021, 71, 488-500.	0.9	2
77	Thiol-functionalized multiwall carbon nanotubes for electrochemical sensing of thallium. <i>Materials Chemistry and Physics</i> , 2021, 259, 124068.	2.0	12
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80	Mitigation of Groundwater Pollution: Heavy Metal Retention Characteristics of Fly Ash Based Liner Materials. <i>Microorganisms for Sustainability</i> , 2021, , 79-104.	0.4	11
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100	The associations between urinary metals and metal mixtures and kidney function in Chinese community-dwelling older adults with diabetes mellitus. <i>Ecotoxicology and Environmental Safety</i> , 2021, 226, 112829.	2.9	25
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106	The concentration, distribution and health risk from potentially toxic elements in the soil - plant - water system developed on black shales in SE Nigeria. <i>Journal of African Earth Sciences</i> , 2020, 165, 103806.	0.9	25
107	Thallium accumulation in different organisms from karst and lowland rivers of Croatia under wastewater impact. <i>Environmental Chemistry</i> , 2020, 17, 201.	0.7	9
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157	Thallium accumulation and distribution in <i>Silene latifolia</i> (Caryophyllaceae) grown in hydroponics. Plant and Soil, 2022, 480, 213-226.	1.8	6
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168	Removal of Thallium from Aqueous Solutions by Adsorption onto Alumina Nanoparticles. Processes, 2022, 10, 1826.	1.3	4
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