

Elemental Mercury Spills

Environmental Health Perspectives

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Selective Gold-Nanoparticle-Based "Turn-On" Fluorescent Sensors for Detection of Mercury(II) in Aqueous Solution. <i>Analytical Chemistry</i> , 2006, 78, 8332-8338.	3.2	449
2	Lymphohematopoietic Malignancies and Oil Exploitation in Koprivnica-Krizevci County, Croatia. <i>International Journal of Occupational and Environmental Health</i> , 2007, 13, 258-267.	1.2	12
3	Electrochemical behaviors of sulfhydryl compounds in the presence of elemental mercury. <i>Chemosphere</i> , 2007, 69, 534-539.	4.2	11
4	Transcriptional profiling reveals barcode-like toxicogenomic responses in the zebrafish embryo. <i>Genome Biology</i> , 2007, 8, R227.	13.9	166
5	Socioeconomic Consequences of Mercury Use and Pollution. <i>Ambio</i> , 2007, 36, 45-61.	2.8	187
6	Mercury Exposure and Public Health. <i>Pediatric Clinics of North America</i> , 2007, 54, 237.e1-237.e45.	0.9	161
7	Osmotic water permeability of rat intestinal brush border membrane vesicles: involvement of aquaporin-7 and aquaporin-8 and effect of metal ions. <i>Biochemistry and Cell Biology</i> , 2007, 85, 675-684.	0.9	27
8	Exposure assessment of household mercury spills. <i>Journal of Chemical Health and Safety</i> , 2007, 14, 17-21.	1.1	4
9	Nano-selenium captures mercury. <i>Nature Nanotechnology</i> , 2008, 3, 527-528.	15.6	48
10	Mercury intoxication and neuropathic pain. <i>Paediatric Anaesthesia</i> , 2008, 18, 440-442.	0.6	10
11	Mercury Vapor Release from Broken Compact Fluorescent Lamps and In Situ Capture by New Nanomaterial Sorbents. <i>Environmental Science & Technology</i> , 2008, 42, 5772-5778.	4.6	125
12	Gold Nanoparticle-Based Colorimetric and "Turn-On" Fluorescent Probe for Mercury(II) Ions in Aqueous Solution. <i>Analytical Chemistry</i> , 2008, 80, 9021-9028.	3.2	468
13	Mercury in Traditional Medicines: Is Cinnabar Toxicologically Similar to Common Mercurials?. <i>Experimental Biology and Medicine</i> , 2008, 233, 810-817.	1.1	184
14	Elemental mercury exposure: An evidence-based consensus guideline for out-of-hospital management. <i>Clinical Toxicology</i> , 2008, 46, 1-21.	0.8	51
15	Oligonucleotide-Based Fluorescence Probe for Sensitive and Selective Detection of Mercury(II) in Aqueous Solution. <i>Analytical Chemistry</i> , 2008, 80, 3716-3721.	3.2	307
16	Indoor Concentrations of Hg Vapor Following Various Spill Scenarios. <i>Environmental Forensics</i> , 2008, 9, 187-196.	1.3	4
17	Converting a Potential Agency Crisis into Community Success: Mercury Recycling Program following Elemental Mercury Exposures in Amarillo, Texas, 2004. <i>Public Health Reports</i> , 2008, 123, 76-78.	1.3	0
18	A Review of Events That Expose Children to Elemental Mercury in the United States. <i>Environmental Health Perspectives</i> , 2009, 117, 871-878.	2.8	33

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19	Accumulation of Mercury in Ovaries of Mice After the Application of Skin-lightening Creams. <i>Biological Trace Element Research</i> , 2009, 131, 43-54.	1.9	26
20	Mercury fatal intoxication: Two case reports. <i>Forensic Science International</i> , 2009, 184, e1-e6.	1.3	33
21	Highly Selective Phthalocyanine ²⁺ Thymine Conjugate Sensor for Hg ²⁺ Based on Target Induced Aggregation. <i>Analytical Chemistry</i> , 2009, 81, 3699-3704.	3.2	88
22	Contaminated Soils (II): <i>In Vitro</i> Dermal Absorption of Nickel (Ni-63) and Mercury (Hg-203) in Human Skin. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2009, 72, 551-559.	1.1	14
23	Highly selective fluorescent sensors for Hg ²⁺ based on bovine serum albumin-capped gold nanoclusters. <i>Analyst</i> , 2010, 135, 1411.	1.7	188
24	DNA/Single-Walled Carbon Nanotubes Based Fluorescence Detection of Hg ²⁺ . <i>Analytical Letters</i> , 2010, 43, 2432-2439.	1.0	14
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26	Recognition of Hg ²⁺ Using Diametrically Disubstituted Cyclam Unit. <i>Inorganic Chemistry</i> , 2010, 49, 11485-11492.	1.9	54
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28	Metal-induced aggregation of mononucleotides-stabilized gold nanoparticles: an efficient approach for simple and rapid colorimetric detection of Hg(II). <i>Chemical Communications</i> , 2011, 47, 6039.	2.2	49
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30	Label-free emission assay of mercuric ions using DNA duplexes of poly(dT). <i>Dalton Transactions</i> , 2011, 40, 6494.	1.6	15
31	Label-free supersandwich electrochemiluminescence assay for detection of sub-nanomolar Hg ²⁺ . <i>Chemical Communications</i> , 2011, 47, 11951.	2.2	84
32	Photonic crystal hydrogel material for the sensing of toxic mercury ions (Hg ²⁺) in water. <i>Soft Matter</i> , 2011, 7, 2592.	1.2	90
33	Colorimetric probing of Hg ²⁺ in both solution and thin film. <i>Analytical Methods</i> , 2011, 3, 557.	1.3	10
34	A one-step colorimetric method of analysis detection of Hg ²⁺ based on an in situ formation of Au@HgS core-shell structures. <i>Analyst</i> , 2011, 136, 2825.	1.7	53
35	Metallic mercury vapour poisoning revisited. <i>Australasian Journal of Dermatology</i> , 2011, 52, e5-e7.	0.4	4
36	QCM based mercury vapor sensor modified with polypyrrole supported palladium. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 616-622.	4.0	28

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37	Aligned nanogold assisted one step sensing and removal of heavy metal ions. <i>Journal of Colloid and Interface Science</i> , 2011, 363, 42-50.	5.0	35
38	Use of biogenic and abiotic elemental selenium nanospheres to sequester elemental mercury released from mercury contaminated museum specimens. <i>Journal of Hazardous Materials</i> , 2011, 189, 660-669.	6.5	50
39	Azobenzene-Based Colorimetric Chemosensors for Rapid Naked-Eye Detection of Mercury(II). <i>Chemistry - A European Journal</i> , 2011, 17, 7276-7281.	1.7	108
40	Application of rhodamine B thiolactone to fluorescence imaging of Hg ²⁺ in <i>Arabidopsis thaliana</i> . <i>Sensors and Actuators B: Chemical</i> , 2011, 153, 261-265.	4.0	24
41	The Use of Mercury-Based Medical Devices Across Croatian Healthcare Facilities. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2012, 63, 41-47.	0.4	3
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43	Visual and On-site Detection of Mercury(II) Ions on Lateral Flow Strips Using DNA-functionalized Gold Nanoparticles. <i>Analytical Sciences</i> , 2012, 28, 333-338.	0.8	13
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47	Gold nanorod-based mercury sensor using functionalized glass substrates. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 322-328.	4.0	55
48	Highly sensitive, selective, and rapid fluorescence Hg ²⁺ sensor based on DNA duplexes of poly(dT) and graphene oxide. <i>Analyst, The</i> , 2012, 137, 3300.	1.7	57
49	A simple and sensitive colorimetric method for detection of mercury ions based on anti-aggregation of gold nanoparticles. <i>Analytical Methods</i> , 2012, 4, 488.	1.3	85
50	Estimating human indoor exposure to elemental mercury from broken compact fluorescent lamps (CFLs). <i>Indoor Air</i> , 2012, 22, 289-298.	2.0	14
51	Spectrophotometric determination of mercury(II) ion using gold nanorod as probe. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 766-771.	4.0	49
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56	Metal ions triggered ligase activity for rolling circle amplification and its application in molecular logic gate operations. <i>Chemical Science</i> , 2013, 4, 1858.	3.7	77
57	Carbamodithioate-Based Dual Functional Fluorescent Probe for Hg ²⁺ and S ²⁻ . <i>Journal of Fluorescence</i> , 2014, 24, 1727-1733.	1.3	3
58	Detection of Hg ²⁺ using molecular beacon-based fluorescent sensor with high sensitivity and tunable dynamic range. <i>Sensors and Actuators B: Chemical</i> , 2014, 195, 623-629.	4.0	25
59	Biological monitoring involving children exposed to mercury from a barometer in a private residence. <i>Toxicology Letters</i> , 2014, 231, 365-373.	0.4	9
60	Ultrasensitive detection and co-stability of mercury(II) ions based on amalgam formation with Tween 20-stabilized silver nanoparticles. <i>RSC Advances</i> , 2014, 4, 59275-59283.	1.7	30
61	A nano-graphite-DNA hybrid sensor for magnified fluorescent detection of mercury(II) ions in aqueous solution. <i>Analyst</i> , The, 2014, 139, 1618.	1.7	17
62	Development of a gold nanoparticle based anti-aggregation method for rapid detection of mercury(II) in aqueous solutions. <i>Analytical Methods</i> , 2014, 6, 5690-5696.	1.3	11
63	A simple visual and highly selective colorimetric detection of Hg ²⁺ based on gold nanoparticles modified by 8-hydroxyquinolines and oxalates. <i>Chemical Communications</i> , 2014, 50, 6447.	2.2	53
64	Extending an In Vitro Panel for Estrogenicity Testing: The Added Value of Bioassays for Measuring Antiandrogenic Activities and Effects on Steroidogenesis. <i>Toxicological Sciences</i> , 2014, 141, 78-89.	1.4	27
65	Direct colorimetric biosensing of mercury(II) ion based on aggregation of poly-(L-glutamic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 347 Td Spectroscopy, 2014, 121, 527-532.	2.0	30
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67	Eco-friendly colorimetric detection of mercury(II) ions using label-free anisotropic nanogolds in ascorbic acid solution. <i>Sensors and Actuators B: Chemical</i> , 2014, 195, 239-245.	4.0	34
68	Mercury Toxicity and Contamination of Households from the Use of Skin Creams Adulterated with Mercurous Chloride (Calomel). <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 10943-10954.	1.2	41
69	Highly sensitive colorimetric sensor for Hg ²⁺ detection based on cationic polymer/DNA interaction. <i>Biosensors and Bioelectronics</i> , 2015, 69, 174-178.	5.3	46
70	Ophthalmic findings in acute mercury poisoning in adults. <i>Toxicology and Industrial Health</i> , 2015, 31, 691-695.	0.6	3
71	Mercury-DNA interaction based detection of mercury ions by DNA amplification with high sensitivity and selectivity. <i>Food and Agricultural Immunology</i> , 2015, 26, 512-520.	0.7	4
72	DNA derived fluorescent bio-dots for sensitive detection of mercury and silver ions in aqueous solution. <i>Applied Surface Science</i> , 2015, 347, 505-513.	3.1	58

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73	Preparation of orange-red fluorescent gold nanoclusters using denatured α -casein as a reductant and stabilizing agent, and their application to imaging of HeLa cells and for the quantitation of mercury(II). <i>Mikrochimica Acta</i> , 2015, 182, 2577-2584.	2.5	15
74	Synthesis of a carbon-dot-based photoluminescent probe for selective and ultrasensitive detection of Hg^{2+} in water and living cells. <i>Analyst</i> , The, 2015, 140, 1221-1228.	1.7	151
75	Determination of Mercury in Food and Water Samples by Displacement-Dispersive Liquid-Liquid Microextraction Coupled with Graphite Furnace Atomic Absorption Spectrometry. <i>Food Analytical Methods</i> , 2015, 8, 236-242.	1.3	20
76	Mercury Vapour Long-Lasting Exposure: Lymphocyte Muscarinic Receptors as Neurochemical Markers of Accidental Intoxication. <i>Case Reports in Medicine</i> , 2016, 2016, 1-8.	0.3	0
77	Are higher blood mercury levels associated with dry eye symptoms in adult Koreans? A population-based cross-sectional study. <i>BMJ Open</i> , 2016, 6, e010985.	0.8	10
78	Acute Mercury Poisoning in a Group of School Children. <i>Pediatric Emergency Care</i> , 2016, Publish Ahead of Print, 696-699.	0.5	6
79	Aptamer-functionalized P(NIPAM-AA) hydrogel fabricated one-dimensional photonic crystals (1DPCs) for colorimetric sensing. <i>RSC Advances</i> , 2016, 6, 36827-36833.	1.7	19
80	Determination of 6-Benzylaminopurine and Hg^{2+} in Bean Sprouts and Drinking Mineral Water by Surface-Enhanced Raman Spectroscopy. <i>Food Analytical Methods</i> , 2016, 9, 934-941.	1.3	13
81	Nanosurface Energy Transfer Based Highly Selective and Ultrasensitive α -Turn on α -Fluorescence Mercury Sensor. <i>ACS Sensors</i> , 2016, 1, 789-797.	4.0	53
82	Prenatal Maternal Occupational Exposure and Postnatal Child Exposure to Elemental Mercury. <i>Pediatric Emergency Care</i> , 2016, 32, 175-179.	0.5	4
83	High-Performance Colorimetric Detection of Hg^{2+} Based on Triangular Silver Nanoprisms. <i>ACS Sensors</i> , 2016, 1, 521-527.	4.0	98
84	Highly selective colorimetric sensing of Hg^{2+} ions by label free AuNPs in aqueous medium across wide pH range. <i>Sensors and Actuators B: Chemical</i> , 2016, 225, 413-419.	4.0	19
85	Plasmonic detection of mercury via amalgam formation on surface-immobilized single Au nanorods. <i>Science and Technology of Advanced Materials</i> , 2017, 18, 60-67.	2.8	23
86	Geochemical interactions study in surface river sediments at an artisanal mining area by means of Canonical (MANOVA)-Biplot. <i>Journal of Geochemical Exploration</i> , 2017, 175, 72-81.	1.5	23
87	A new rhodamine derived fluorescent sensor: Detection of Hg^{2+} at cellular level. <i>Chemical Physics Letters</i> , 2017, 673, 84-88.	1.2	16
88	Indoor and outdoor elemental mercury: a comparison of three different cases. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 72.	1.3	6
89	Cycling of mercury in the environment: Sources, fate, and human health implications: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 693-794.	6.6	419
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92	Development of Highly Selective and Efficient Prototype Sensor for Potential Application in Environmental Mercury Pollution Monitoring. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	22
93	Through-bond energy transfer based dyad and triad shape fluorescence "OFF-ON-OFF" probes for Hg ²⁺ ions and their application in live HeLa cells and Zebrafish. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 1272-1282.	4.0	20
94	Electrochemical determination of trace mercury in water sample using EDTA-CPE modified electrode. <i>Sensing and Bio-Sensing Research</i> , 2018, 17, 30-35.	2.2	41
95	FRET based integrated pyrene-AgNPs system for detection of Hg (II) and pyrene dimer: Applications to environmental analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 198, 168-176.	2.0	16
96	Utilization of aptamer-functionalized magnetic beads for highly accurate fluorescent detection of mercury (II) in environment and food. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 775-780.	4.0	45
97	One-pot synthesis of N, S co-doped photoluminescent carbon quantum dots for Hg ²⁺ ion detection. <i>New Carbon Materials</i> , 2018, 33, 333-340.	2.9	36
98	Sensitive Colorimetric Hg ²⁺ Detection via Amalgamation-Mediated Shape Transition of Gold Nanostars. <i>Frontiers in Chemistry</i> , 2018, 6, 566.	1.8	28
99	Dispersion-aggregation-dispersion colorimetric detection for mercury ions based on an assembly of gold nanoparticles and carbon nanodots. <i>Analyst</i> , 2018, 143, 4741-4746.	1.7	30
100	Radial Flow Assay Using Gold Nanoparticles and Rolling Circle Amplification to Detect Mercuric Ions. <i>Nanomaterials</i> , 2018, 8, 81.	1.9	21
101	Acute respiratory syndrome following accidental inhalation of mercury vapor. <i>Clinical Case Reports (discontinued)</i> , 2018, 6, 1535-1537.	0.2	9
102	Cholesterol linked benzothiazole: a versatile gelator for detection of picric acid and metal ions such as Ag ⁺ , Hg ²⁺ , Fe ³⁺ and Al ³⁺ under different conditions. <i>New Journal of Chemistry</i> , 2019, 43, 10509-10516.	1.4	12
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104	4-Hydroxybenzaldehyde derived Schiff base gelators: case of the sustainability or rupturing of imine bonds towards the selective sensing of Ag ⁺ and Hg ²⁺ ions via "gel" methodology. <i>New Journal of Chemistry</i> , 2019, 43, 5139-5149.	1.4	25
105	Directly writing flexible temperature sensor with graphene nanoribbons for disposable healthcare devices. <i>RSC Advances</i> , 2020, 10, 22222-22229.	1.7	42
106	Concurrently Measured Concentrations of Atmospheric Mercury in Indoor (household) and Outdoor Air of Basel, Switzerland. <i>Environmental Science and Technology Letters</i> , 2020, 7, 234-239.	3.9	13
107	Enhanced oxidase-like activity of Ag@Ag ₂ WO ₄ nanorods for colorimetric detection of Hg ²⁺ . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125203.	2.3	16
108	Colorimetric determination of Hg ²⁺ based on the mercury-stimulated oxidase mimetic activity of Ag ₃ PO ₄ microcubes. <i>Mikrochimica Acta</i> , 2020, 187, 422.	2.5	13

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110	Isotopic compositions of atmospheric total gaseous mercury in 10 Chinese cities and implications for land surface emissions. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 6721-6734.	1.9	20
111	Characteristics and treatment of elemental mercury intoxication: A case series. <i>Health Science Reports</i> , 2021, 4, e293.	0.6	11
112	Interaction of mercury ion (Hg ²⁺) with blood and cytotoxicity attenuation by serum albumin binding. <i>Journal of Hazardous Materials</i> , 2021, 412, 125158.	6.5	27
113	Effective Decontamination and Remediation After Elemental Mercury Exposure: A Case Report in the United States. <i>Journal of Preventive Medicine and Public Health</i> , 2021, 54, 376-379.	0.7	1
114	Naphthyl hydrazone anchored with nitrosalicyl moiety as fluorogenic and chromogenic receptor for heavy metals (Ag ⁺ , Hg ²⁺) and biologically important F ⁻ ion and its live cell imaging applications in HeLa cells and Zebrafish embryos. <i>Journal of Molecular Structure</i> , 2020, 1217, 128446.	1.8	14
115	Mercury in the Environment. , 2012, , .		19
116	Mercury and Public Health: An Assessment of Human Exposure. , 2012, , 267-288.		6
117	A review of events that expose children to elemental mercury in the United States. <i>Ciencia E Saude Coletiva</i> , 2010, 15, 585-598.	0.1	9
118	Congenital poisoning after maternal parenteral mercury administration. , 2018, 1, 001-005.		1
119	Simple Ratiometric Fluorophore for the Selective Detection of Mercury through Hg(II)-Mediated Oxazole Formation. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 3959-3962.	1.0	7
120	Emission Detection of Mercuric Ions in Aqueous Media Based-on Dehybridization of DNA Duplexes. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 3223-3228.	1.0	1
121	Mercury Exposure Among Artisanal and Small-Scale Gold Miners in Four Regions in Uganda. <i>Journal of Health and Pollution</i> , 2020, 10, 200613.	1.8	10
122	Mapping the scientific study of rituals: a bibliometric analysis of research published 2000â€“2020. <i>Religion, Brain and Behavior</i> , 2021, 11, 382-402.	0.4	5
124	Ophthalmic Findings of Acute Mercury Poisoning in Primary School Students. , 2013, 03, .		1
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129	Determination of Total Mercury and Carbon in a National Baseline Study of Urban House Dust. <i>Geosciences (Switzerland)</i> , 2022, 12, 52.	1.0	4
130	Recent Progress in Nanoparticles Based Sensors for the Detection of Mercury (II) Ions in Environmental and Biological Samples. <i>Critical Reviews in Analytical Chemistry</i> , 2024, 54, 44-60.	1.8	15
131	Japanese Acupuncture, in the Pacific War and Beyond. <i>Medical Acupuncture</i> , 2021, 33, 378-381.	0.3	0
133	Relationships between House Characteristics and Exposures to Metal(loid)s and Synthetic Organic Contaminants Evaluated Using Settled Indoor Dust. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 10329.	1.2	1
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136	Imidazole-based fluorophores: Synthesis and applications. <i>Materials Today Chemistry</i> , 2023, 29, 101453.	1.7	3