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## The toxicology of mercury and its chemical compounds

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#	Paper	IF	Citations
1649	In vitro toxicity induced by methylmercury on sympathetic neurons is reverted by L-cysteine or glutathione. <b>2007</b> , 58, 278-84		17
1648	The biological monitoring of prenatal exposure to methylmercury. <b>2007</b> , 28, 1015-22		55
1647	Applications of Tripodal [S(3)] and [Se(3)] L(2)X Donor Ligands to Zinc, Cadmium and Mercury Chemistry: Organometallic and Bioinorganic Perspectives. <b>2007</b> , 31, 1996-2014		64
1646	Comments on the article "the toxicology of mercury and its chemical compounds" by Clarkson and Magos (2006). <i>Critical Reviews in Toxicology</i> , <b>2007</b> , 37, 537-49; discussion 551-2	5.7	57
1645	Cleaving mercury-alkyl bonds: a functional model for mercury detoxification by MerB. <b>2007</b> , 317, 225-7		89
1644	Elimination of mercury by yellow perch in the wild. <b>2007</b> , 41, 5895-901		61
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1637	The effects of methylmercury on motor activity are sex- and age-dependent, and modulated by genetic deletion of adenosine receptors and caffeine administration. <b>2007</b> , 241, 119-33		32
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524	Nephrotic syndrome caused by exposures to skin-lightening cosmetic products containing inorganic mercury. <b>2020</b> , 58, 9-15	8
523	A critical review of mercury speciation, bioavailability, toxicity and detoxification in soil-plant environment: Ecotoxicology and health risk assessment. <b>2020</b> , 711, 134749	81
522	Remediation of mercury contaminated soil, water, and air: A review of emerging materials and innovative technologies. <b>2020</b> , 134, 105281	123
521	Wetland water-management may influence mercury bioaccumulation in songbirds and ducks at a mercury hotspot. <b>2020</b> , 29, 1229-1239	2
520	Effects of mercuric chloride on spatial memory deficit-induced by beta-amyloid and evaluation of mitochondrial function markers in the hippocampus of rats. <b>2020</b> , 12, 144-153	0
519	Evaluation on the biomagnification or biodilution of trace metals in global marine food webs by meta-analysis. <b>2020</b> , 264, 113856	35
518	Mercury emissions from Peruvian gold shops: Potential ramifications for Minamata compliance in artisanal and small-scale gold mining communities. <b>2020</b> , 182, 109042	15
517	Flexible bioelectronics for physiological signals sensing and disease treatment. <b>2020</b> , 6, 397-413	10



516	A novel, anthracene-based naked eye probe for detecting Hg <sup>2+</sup> ions in aqueous as well as solid state media. <b>2020</b> , 153, 104508	6
515	Development of online microdialysis-microfluidic-based photocatalyst-assisted vaporization device-inductively coupled plasma-mass spectrometry hyphenated analytical system for in vivo quantification of the transition of brain extracellular mercury after thimerosal administration. <b>2020</b> , 154, 104569	3
514	Methylmercury Induces Metabolic Alterations in <i>Caenorhabditis elegans</i> : Role for C/EBP Transcription Factor. <b>2020</b> , 174, 112-123	4
513	Biotic formation of methylmercury: A bio-physico-chemical conundrum. <b>2020</b> , 65, 1010-1027	32
512	Green remediation of Cd and Hg contaminated soil using humic acid modified montmorillonite: Immobilization performance under accelerated ageing conditions. <b>2020</b> , 387, 122005	49
511	A dual-responsive anthrapyridone-triazole-based probe for selective detection of Ni <sup>2+</sup> and Cu <sup>2+</sup> : A mimetic system for molecular logic gates based on color change. <b>2020</b> , 174, 108092	18
510	Statistical Assessment of Toxic and Essential Metals in the Serum of Female Patients with Lung Carcinoma from Pakistan. <b>2020</b> , 197, 367-383	4
509	The effects of heavy metals on human metabolism. <b>2020</b> , 30, 167-176	136
508	Metalloproteomic approach of mercury-binding proteins in liver and kidney tissues of <i>Plagioscion squamosissimus</i> (corvina) and <i>Colossoma macropomum</i> (tambaqui) from Amazon region: Possible identification of mercury contamination biomarkers. <b>2020</b> , 711, 134547	6
507	Methylmercury exposure in wildlife: A review of the ecological and physiological processes affecting contaminant concentrations and their interpretation. <b>2020</b> , 711, 135117	45
506	Heavy metal toxicity and the aetiology of glaucoma. <b>2020</b> , 34, 129-137	5
505	Oceanic mercury concentrations on both sides of the Strait of Gibraltar decreased between 1989 and 2012. <b>2020</b> , 29, 100230	3
504	Bioaccumulation of heavy metals (Hg, Cd and Ni) by sentinel crab ( <i>Macrophthalmus depressus</i> ) from sediments of Mousa Bay, Persian Gulf. <b>2020</b> , 191, 109986	13
503	Metalloproteomics analysis in human mammary cell lines treated with inorganic mercury. <b>2020</b> , 58, 126441	6
502	Distribution of total mercury and methylmercury and their controlling factors in the East China Sea. <b>2020</b> , 258, 113667	5
501	A critical review about neurotoxic effects in marine mammals of mercury and other trace elements. <b>2020</b> , 246, 125688	22
500	Selenium and stable mercury isotopes provide new insights into mercury toxicokinetics in pilot whales. <b>2020</b> , 710, 136325	23
499	Following up mercury pollution in the Ebro Delta (NE Spain): Audouin's gull fledglings as model organisms to elucidate anthropogenic impacts on the environment. <b>2020</b> , 266, 115232	4

498	Recent advances in environmentally benign hierarchical inorganic nano-adsorbents for the removal of poisonous metal ions in water: a review with mechanistic insight into toxicity and adsorption. <b>2020</b> , 2, 5529-5554	7
497	Ecological and biological factors associated to mercury accumulation in batoids (Chondrichthyes: Batoidea) from northeastern Brazil. <b>2020</b> , 161, 111761	2
496	Health Impact Assessment of Artisanal and Small-Scale Gold Mining Area in Myanmar, Mandalay Region: Preliminary Research. <b>2020</b> , 17,	6
495	A study on the potential reprotoxic effects of thimerosal in male albino rats. <b>2020</b> , 27, 2798-2802	
494	Investigating the structural, electronic, adsorption and optical properties of Te-doped g-ZnO monolayer before and after adsorbing Hg <sup>0</sup> and HgCl <sub>2</sub> , using DFT+ <sup>U</sup> , TDDFT and DFT-D2 approaches. <b>2020</b> , 262, 114710	2
493	Methylmercury toxic mechanism related to protein degradation and chemokine transcription. <b>2020</b> , 25, 30	6
492	Personalized Prevention in Mercury-Induced Amyotrophic Lateral Sclerosis: A Case Report. <b>2020</b> , 10, 7839	1
491	A rhodamine-based dual chemosensor for the naked-eye detection of Hg and enhancement of the fluorescence emission for Fe. <b>2020</b> , 19, 1690-1696	9
490	How Occupational Mercury Neurotoxicity Is Affected by Genetic Factors. A Systematic Review. <b>2020</b> , 10, 7706	3
489	Effective Enrichment and Quantitative Determination of Trace Hg Ions Using CdS-Decorated Cellulose Nanofibrils. <b>2020</b> , 10,	8
488	Effect of acute exposure of Hg and Zn on survival of native and invasive <i>Artemia</i> from wild populations exposed to different degrees of environmental contamination. <b>2020</b> , 118, 106739	1
487	A novel isatin-based probe for ratiometric and selective detection of Hg and Cu ions present in aqueous and environmental samples. <b>2020</b> , 243, 118796	5
486	Biological factors affecting total mercury and methylmercury levels in Antarctic penguins. <b>2020</b> , 261, 127713	5
485	Detecting Mercury (II) and Thiocyanate Using "Turn-on" Fluorescence of Graphene Quantum Dots. <b>2020</b> , 30, 1181-1187	10
484	Inhalation Exposure to Gaseous and Particulate Bound Mercury Present in the Ambient Air over the Polluted Area of Southern Poland. <b>2020</b> , 17,	2
483	Hg <sup>2+</sup> Optical Fiber Sensor Based on LSPR with PDDA-Templated AuNPs and CS/PAA Bilayers. <b>2020</b> , 10, 4845	6
482	A Collaborative Training Program to Assess Mercury Pollution from Gold Shops in Guyana's Artisanal and Small-Scale Gold Mining Sector. <b>2020</b> , 11, 719	2
481	Biotransformation fate and sustainable mitigation of a potentially toxic element of mercury from environmental matrices. <b>2020</b> , 13, 6949-6965	8

480	Highly selective and sensitive tool for the detection of Hg(II) using 3-(Trimethoxysilyl) propyl methacrylate functionalized Ag-Ce nanocomposite from real water sample. <b>2020</b> , 242, 118738	9
479	Unusual absence of FRET in triazole bridged coumarin-hydroxyquinoline, an active sensor for Hg <sup>2+</sup> detection. <b>2020</b> , 19, 1211-1221	5
478	Study on Mercury Methylation in Phragmites australis Soil and Its Influencing Factors. <b>2020</b> , 231, 1	2
477	Mercury level in biological samples of dentists in Iran: a systematic review and meta-analysis. <b>2020</b> , 18, 1655-1669	0
476	Interactions between Hg and soil microbes: microbial diversity and mechanisms, with an emphasis on fungal processes. <b>2020</b> , 104, 9855-9876	2
475	Cognitive archaeology: Estimating the effects of blood-lead concentrations on the neuropsychological function of an officer of the 1845 Franklin expedition. <b>2020</b> , 32, 102449	
474	Determination of Mercury Content in Surface Waters Using an Environmentally Non-Toxic Terminating Electrolyte. <b>2020</b> , 105, 626-632	0
473	Preliminary study of the distribution and risk assessment of mercury in different surficial sediments along the coastal area of the province Thai Binh in Vietnam. <b>2020</b> , 32, 114-120	3
472	Evaluation of the Effect of Gold Mining on the Water Quality in Monterrey, Bolívar (Colombia). <b>2020</b> , 12, 2523	5
471	Mercury Exposure and Health Problems of the Students Using Skin-Lightening Cosmetic Products in Makassar, South Sulawesi, Indonesia. <b>2020</b> , 7, 58	2
470	A dual colorimetric chemosensor for Hg(ii) and cyanide ions in aqueous media based on a nitrobenzoxadiazole (NBD)-antipyrine conjugate with INHIBIT logic gate behaviour. <b>2020</b> , 12, 4526-4533	6
469	System Dynamics Modelling of the Global Extraction, Supply, Price, Reserves, Resources and Environmental Losses of Mercury. <b>2020</b> , 231, 1	3
468	Colorimetric detection of Hg with an azulene-containing chemodosimeter dithioacetal hydrolysis. <b>2020</b> , 145, 6262-6269	13
467	In vitro function and in situ localization of Multidrug Resistance-associated Protein (MRP)1 (ABCC1) suggest a protective role against methyl mercury-induced oxidative stress in the human placenta. <b>2020</b> , 94, 3799-3817	8
466	A Facile Hg <sup>2+</sup> -related Quenching Photoluminescence Sensor Based on Nitrogen-doped Graphene Quantum Dots. <b>2020</b> , 41, 948-953	10
465	Removal of dental amalgam restorations in patients with health complaints attributed to amalgam: A prospective cohort study. <b>2020</b> , 47, 1422-1434	5
464	AMPA receptor contribution to methylmercury-mediated alteration of intracellular Ca concentration in human induced pluripotent stem cell motor neurons. <b>2020</b> , 81, 116-126	3
463	Impact of ligand substituents on the crystal structures, optical and conducting properties of phenylmercury(II) Ebxodithioester complexes. <b>2020</b> , 928, 121532	

462	Urinary Mercury Levels and Predictors of Exposure among a Group of Italian Children. <b>2020</b> , 17,	2
461	Risk of Mercury Ingestion from Canned Fish in Poland. <b>2020</b> , 25,	0
460	Methylmercury Interactions With Gut Microbiota and Potential Modulation of Neurogenic Niches in the Brain. <b>2020</b> , 14, 576543	2
459	Oral methylmercury intoxication aggravates cardiovascular risk factors and accelerates atherosclerosis lesion development in ApoE knockout and C57BL/6 mice. <b>2021</b> , 37, 311-321	1
458	Methylmercury-Induced Toxicopathologic Findings in Salivary Glands of Offspring Rats After Gestational and Lactational Exposure. <b>2021</b> , 199, 2983-2991	5
457	Reaction of Cyanide with Hg-Contaminated Gold Mining Tailings Produces Soluble Mercuric Cyanide Complexes. <b>2020</b> , 33, 2834-2844	5
456	Silica nanoparticles alleviate mercury toxicity via immobilization and inactivation of Hg(II) in soybean ( <i>Glycine max</i> ). <b>2020</b> , 7, 1807-1817	24
455	Effects of seafood consumption on mercury exposure in Norwegian pregnant women: A randomized controlled trial. <b>2020</b> , 141, 105759	9
454	Accumulation potential and tolerance response of <i>Typha latifolia</i> L. under citric acid assisted phytoextraction of lead and mercury. <b>2020</b> , 257, 127247	19
453	Association between genetic variations in GSH-related and MT genes and low-dose methylmercury exposure in children and women of childbearing age: a pilot study. <b>2020</b> , 187, 109703	4
452	Sulfhydryl groups as targets of mercury toxicity. <b>2020</b> , 417, 213343-213343	55
451	Anodic stripping voltammetry analysis of mercury(II) on a pyridine-Au/pyridine/glassy carbon electrode. <b>2020</b> , 317, 128202	8
450	MERCURY. <b>2020</b> , 677-693	
449	A novel anthrapyridone diamine-based probe for selective and distinctive Cu <sup>2+</sup> and Hg <sup>2+</sup> sensing in aqueous solution; utility as molecular logic gates. <b>2020</b> , 181, 108522	19
448	Differential susceptibility of PC12 and BRL cells and the regulatory role of HIF-1 $\beta$ signaling pathway in response to acute methylmercury exposure under normoxia. <b>2020</b> , 331, 82-91	1
447	Altered metal ion selectivity in signalling with heterocyclic tripodal receptor appended rhodamine-B derivatives. <b>2020</b> , 181, 108572	4
446	Kinetics and metabolism of mercury in rats fed with mercury contaminated rice using mass balance and mercury isotope approach. <b>2020</b> , 736, 139687	2
445	Litterfall Hg deposition to an oak forest soil from southwestern Europe. <b>2020</b> , 269, 110858	4

444	Influences of high-level atmospheric gaseous elemental mercury on methylmercury accumulation in maize ( <i>Zea mays</i> L.). <b>2020</b> , 265, 114890	5
443	Total mercury, methylmercury, and selenium in aquatic products from coastal cities of China: Distribution characteristics and risk assessment. <b>2020</b> , 739, 140034	9
442	Magnetic solid phase extraction as a valuable tool for elemental speciation analysis. <b>2020</b> , 27, e00097	8
441	Repression of mercury accumulation and adverse effects of methylmercury exposure is mediated by cystathionine $\gamma$ -lyase to produce reactive sulfur species in mouse brain. <b>2020</b> , 330, 128-133	7
440	Perylene diimides: will they flourish as reaction-based probes?. <b>2020</b> , 12, 3560-3574	15
439	Mercury Exposure Assessment in Mother-Infant Pairs from Continental and Coastal Croatia. <b>2020</b> , 10,	6
438	Oxidative Stress Biomarkers in Erythrocytes of Captive Pre-Juvenile Loggerhead Turtles Following Acute Exposure to Methylmercury. <b>2020</b> , 10, 3602	4
437	Investigation on mercury migration discipline in different paper-plastic food packaging containers. <b>2020</b> , 85, 1186-1192	0
436	Development of Human Hair Reference Material Supporting the Biomonitoring of Methylmercury. <b>2020</b> , 36, 561-567	1
435	Tin and mercury and their speciation (organotin compounds and methylmercury) in worldwide red wine samples determined by ICP-MS and GC-ICP-MS. <b>2020</b> , 13, 88-98	7
434	Is oxidation of atmospheric mercury controlled by different mechanisms in the polluted continental boundary layer vs. remote marine boundary layer?. <b>2020</b> , 15, 064026	1
433	Subchronic oral mercury caused intestinal injury and changed gut microbiota in mice. <b>2020</b> , 721, 137639	18
432	Unravelling the Potential Cytotoxic Effects of Metal Oxide Nanoparticles and Metal(Loid) Mixtures on A549 Human Cell Line. <b>2020</b> , 10,	5
431	Acute neurotoxicant exposure induces hyperexcitability in mouse lumbar spinal motor neurons. <b>2020</b> , 123, 1448-1459	5
430	Adsorption of mercury species on selected CuS surfaces and the effects of HCl. <b>2020</b> , 393, 124773	14
429	Immobilization of mercury by nano-elemental selenium and the underlying mechanisms in hydroponic-cultured garlic plant. <b>2020</b> , 7, 1115-1125	12
428	Subsistence fishing in the Eeyou Istchee (James Bay, Quebec, Canada): A regional investigation of fish consumption as a route of exposure to methylmercury. <b>2020</b> , 258, 127413	13
427	3D-printed lab-in-a-syringe voltammetric cell based on a working electrode modified with a highly efficient Ca-MOF sorbent for the determination of Hg(II). <b>2020</b> , 321, 128508	22

426	Impact of low-level mercury exposure on intelligence quotient in children via rice consumption. <b>2020</b> , 202, 110870	11
425	Vaccine hesitancy : Report of a student study group. <b>2020</b> , 132, 243-252	0
424	Total mercury levels in the muscle and liver of livestock and game animals in Poland, 2009-2018. <b>2020</b> , 258, 127311	8
423	Low-level maternal exposure to cadmium, lead, and mercury and birth outcomes in a Swedish prospective birth-cohort. <b>2020</b> , 265, 114986	18
422	Mercury Bioaccumulation and Biomagnification in Great Salt Lake Ecosystems. <b>2020</b> , 435-461	0
421	Seafood, wine, rice, vegetables, and other food items associated with mercury biomarkers among seafood and non-seafood consumers: NHANES 2011-2012. <b>2020</b> , 30, 504-514	11
420	Effects of Gintonin-Enriched Fraction on Methylmercury-Induced Neurotoxicity and Organ Methylmercury Elimination. <b>2020</b> , 17,	4
419	Fluorescence Sensor Based on Biosynthetic CdSe/CdS Quantum Dots and Liposome Carrier Signal Amplification for Mercury Detection. <b>2020</b> , 92, 3990-3997	40
418	Neuropathology associated with exposure to different concentrations and species of mercury: A review of autopsy cases and the literature. <b>2020</b> , 78, 88-98	11
417	Advances in Rational Design and Materials of High-Performance Stretchable Electromechanical Sensors. <b>2020</b> , 16, e1905707	22
416	Mercury-Induced Inhibition of Tyrosine Phosphorylation of Sperm Proteins and Altered Functional Dynamics of Buck Spermatozoa: an In Vitro Study. <b>2020</b> , 198, 478-492	5
415	Mercury Speciation in Whole Blood and Dried Blood Spots from Capillary and Venous Sources. <b>2020</b> , 92, 3605-3612	16
414	Modelling Hg mobility in podzols: Role of soil components and environmental implications. <b>2020</b> , 260, 114040	10
413	Elemental bioimaging shows mercury and other toxic metals in normal breast tissue and in breast cancers. <b>2020</b> , 15, e0228226	10
412	Rethinking the Minamata Tragedy: What Mercury Species Was Really Responsible?. <b>2020</b> , 54, 2726-2733	25
411	Removal of Heavy Metals in Contaminated Soil by Phytoremediation Mechanism: a Review. <b>2020</b> , 231, 1	81
410	Fast and sensitive fluorescent detection of inorganic mercury species and methylmercury using a fluorescent probe based on the displacement reaction of arylboronic acid with the mercury species. <b>2020</b> , 56, 2941-2944	15
409	Miniature 3D-printed integrated electrochemical cell for trace voltammetric Hg(II) determination. <b>2020</b> , 308, 127715	42

408	Mercury contamination status of rice cropping system in Pakistan and associated health risks. <b>2020</b> , 263, 114625	19
407	Heavy metals risk assessment in fish species ( <i>Johnius Belangerii</i> (C) and <i>Cynoglossus Arel</i> ) in Musa Estuary, Persian Gulf. <b>2020</b> , 188, 109560	12
406	Mercury bioaccumulation in freshwater fishes of the Chesapeake Bay watershed. <b>2020</b> , 29, 459-484	3
405	The mercury level in hair and breast milk of lactating mothers in Iran: a systematic review and meta-analysis. <b>2020</b> , 18, 355-366	3
404	Efficacy of glutathione therapy in relieving dyspnea associated with COVID-19 pneumonia: A report of 2 cases. <b>2020</b> , 30, 101063	86
403	Bimetallic Hollow Nanostructures for Colorimetric Detection of Picomolar Level of Mercury. <b>2020</b> , 20, 991-998	2
402	Methylmercury disrupts autophagic flux by inhibiting autophagosome-lysosome fusion in mouse germ cells. <b>2020</b> , 198, 110667	7
401	Elemental imaging shows mercury in cells of the human lateral and medial geniculate nuclei. <b>2020</b> , 15, e0231870	2
400	Attributes, Fabrication, and Applications of Gallium-Based Liquid Metal Particles. <b>2020</b> , 7, 2000192	85
399	Effective Removal of Mercury Ions in Aqueous Solutions: A Review. <b>2020</b> , 16, 363-375	10
398	Status of mercury accumulation in agricultural soils across China (1976-2016). <b>2020</b> , 197, 110564	14
397	Evaluation of chelating and cytoprotective activity of vanillin against the toxic action of mercuric chloride as an alternative for phytoremediation. <b>2021</b> , 43, 1609-1616	2
396	Exposure to total and methylmercury among pregnant women in Suriname: sources and public health implications. <b>2021</b> , 31, 117-125	8
395	Mercury isotopes of key tissues document mercury metabolic processes in seabirds. <b>2021</b> , 263, 127777	25
394	An ellipsometric biosensor using aptamer for the detection of mercuric ions. <b>2021</b> , 75, 89-97	2
393	Recent advances on functional nucleic acid-based biosensors for detection of food contaminants. <b>2021</b> , 222, 121565	24
392	Straw return enhances the risks of metals in soil?. <b>2021</b> , 207, 111201	11
391	Toxicity of heavy metals in plants and animals and their uptake by magnetic iron oxide nanoparticles. <b>2021</b> , 321, 114455	35

390	Comparative study between adsorption and membrane technologies for the removal of mercury. <b>2021</b> , 257, 117833	23
389	Functionalized Mesoporous Photonic Crystal Film for Ultrasensitive Visual Detection and Effective Removal of Mercury (II) Ions in Water. <b>2021</b> , 31, 2007032	17
388	Development of multifunctional Cu sensitized Ag-dextran nanocomposite for selective and sensitive detection of mercury from environmental sample and evaluation of its photocatalytic and anti-microbial applications. <b>2021</b> , 321, 114742	6
387	Dried blood spots to characterize mercury speciation and exposure in a Colombian artisanal and small-scale gold mining community. <b>2021</b> , 266, 129001	5
386	Mercury exposure, cardiovascular disease, and mortality: A systematic review and dose-response meta-analysis. <b>2021</b> , 193, 110538	23
385	Mercury concentrations in Baja California Sur fish: Dietary exposure assessment. <b>2021</b> , 267, 129233	5
384	Occupational human exposure to mercury in artisanal small-scale gold mining communities of Colombia. <b>2021</b> , 146, 106216	11
383	Recent advances in the development of ferrocene based electroactive small molecules for cation recognition: A comprehensive review of the years 2010-2020. <b>2021</b> , 431, 213685	8
382	The effect of EDTA and citric acid on biochemical processes and changes in phenolic compounds profile of okra ( <i>Abelmoschus esculentus</i> L.) under mercury stress. <b>2021</b> , 208, 111607	13
381	Colorimetric detection of Hg <sup>2+</sup> and CH <sub>3</sub> Hg <sup>+</sup> by a novel spirooxazine derivative as a highly sensitive and selective probe. <b>2021</b> , 186, 108996	4
380	Soil properties influencing Hg vertical pattern in temperate forest podzols. <b>2021</b> , 193, 110552	1
379	Comparison of Primary Laser Spectroscopy and Mass Spectrometry Methods for Measuring Mass Concentration of Gaseous Elemental Mercury. <b>2021</b> , 93, 1050-1058	3
378	Small molecular fluorescent probes for the detection of lead, cadmium and mercury ions. <b>2021</b> , 429, 213691	26
377	Methylmercury cytotoxicity and possible mechanisms in human trophoblastic HTR-8/SVneo cells. <b>2021</b> , 207, 111520	3
376	Prenatal and postnatal mercury exposure and blood pressure in childhood. <b>2021</b> , 146, 106201	7
375	First record on mercury accumulation in mice brain living in active volcanic environments: a cytochemical approach. <b>2021</b> , 43, 171-183	6
374	Mercury in neonatal and juvenile blacktip sharks ( <i>Carcharhinus limbatus</i> ). Part II: Effects assessment. <b>2021</b> , 30, 311-322	1
373	Total mercury level in tissues of commercial mammalian species (wild boar, moose) of the Russky Sever National Park (North-West of Russia). <b>2021</b> , 265, 05009	1



372	Mercury and Alzheimer's disease: a look at the links and evidence. <b>2021</b> , 36, 361-374	3
371	In Vivo Formation of HgSe Nanoparticles and Hg-Tetraselenolate Complex from Methylmercury in Seabirds-Implications for the Hg-Se Antagonism. <b>2021</b> , 55, 1515-1526	30
370	Methylmercury, oxidative stress, and neurodegeneration. <b>2021</b> , 137-144	
369	Probabilistic Estimation of Dietary Intake of Methylmercury from Fish in Japan. <b>2021</b> , 9, 1-9	4
368	Health Benefits and Risks of Minerals: Bioavailability, Bio-Essentiality, Toxicity, and Pathologies. <b>2021</b> , 81-179	1
367	Neurotoxicity of mercury: an old issue with contemporary significance. <b>2021</b> , 5, 239-262	4
366	Discriminatory behavior of a rhodamine 6G decorated mesoporous silica based multiple cation sensor towards Cu and Hg Al, Cr and Fe: selective removal of Cu and Hg from aqueous media. <b>2021</b> , 50, 12478-12494	3
365	Seasonal variation of total mercury transfer through a tropical mangrove food web, Setiu Wetlands. <b>2021</b> , 162, 111878	0
364	Seafood and health: What you need to know?. <b>2021</b> , 97, 275-318	1
363	Selenium Utility in Mercury Toxicity: A Mini-Review. <b>2021</b> , 12, 124-137	0
362	Mercury accumulation in vegetable <i>Houttuynia cordata</i> Thunb. from two different geological areas in southwest China and implications for human consumption. <b>2021</b> , 11, 52	3
361	Mercury in the human thyroid gland: Potential implications for thyroid cancer, autoimmune thyroiditis, and hypothyroidism. <b>2021</b> , 16, e0246748	4
360	Amino Acid Transporter LAT1 (SLC7A5) Mediates MeHg-Induced Oxidative Stress Defense in the Human Placental Cell Line HTR-8/SVneo. <b>2021</b> , 22,	1
359	Mercury Reduction by Nanoparticulate Vivianite. <b>2021</b> , 55, 3399-3407	7
358	Civa Klorin Uygulanan Gökkuşbuğalabalıklar (Oncorhynchus Mykiss) İnan Solunga Dokusunda Nitrozatif ve Oksidatif Stresin Rolü	0
357	On-site low-power sensing nodes for distributed monitoring of heavy metal ions in water. <b>2021</b> , 4, 013005	2
356	Health measures of Eeyouch (Cree) who are eligible to participate in the on-the-land Income Security Program in Eeyou Istchee (northern Quebec, Canada). <b>2021</b> , 21, 628	2
355	Drivers of variability in mercury and methylmercury bioaccumulation and biomagnification in temperate freshwater lakes. <b>2021</b> , 267, 128890	5

354	The Prevalence of Inorganic Mercury in Human Kidneys Suggests a Role for Toxic Metals in Essential Hypertension. <b>2021</b> , 9,	5
353	Review Metal Organic Framework Based Nanomaterials for Electrochemical Sensing of Toxic Heavy Metal Ions: Progress and Their Prospects. <b>2021</b> , 168, 037513	11
352	Heavy metals and the "Chernobyl trace" in the bottom sediments of the internal reservoir: The Gulf of Kaliningrad. <b>2021</b> , 100, 208-217	
351	Heavy metals and health risk of rice sampled in Yangtze River Delta, China. <b>2021</b> , 14, 133-140	3
350	Chronic exposure to volcanic gaseous elemental mercury: using wild Mus musculus to unveil its uptake and fate. <b>2021</b> , 43, 4863-4867	2
349	Analysis of the Mercury Distribution in Blood as a Potential Tool for Exposure Assessment - Results from Two Artisanal and Small-Scale Gold Mining Areas in Zimbabwe. <b>2021</b> , 1	1
348	Human Methylmercury Exposure and Potential Impacts in Central Tibet: Food and Traditional Tibetan Medicine. <b>2021</b> , 107, 449-458	0
347	Mercury content of Sardinella lemuru caught in East Java and Bali waters. <b>2021</b> , 1869, 012004	
346	Chemical Forms of Mercury in Blue Marlin Billfish: Implications for Human Exposure. <b>2021</b> , 8, 405-411	7
345	Hg(II) Binding to Thymine Bases in DNA. <b>2021</b> , 60, 7442-7452	1
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3 <sup>03</sup>	Bee venom <i>Apis mellifera lamarckii</i> rescues blood brain barrier damage and neurobehavioral changes induced by methyl mercury via regulating tight junction proteins expression in rat cerebellum. <b>2021</b> , 154, 112309	0
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