

Toxicology of selenium in a freshwater reservoir: Implications for risk evaluation and safety

Ecotoxicology and Environmental Safety

10, 314-338

DOI: [10.1016/0147-6513\(85\)90079-x](https://doi.org/10.1016/0147-6513(85)90079-x)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Ecological basis for regulating aquatic emissions from the power industry: The case with selenium. <i>Regulatory Toxicology and Pharmacology</i> , 1985, 5, 465-486.	2.7	47
2	Toxicity of sodium selenite to rainbow trout fry. <i>Water Research</i> , 1987, 21, 233-238.	11.3	37
3	The interactive effects of a cadmium stress, a selenium deficiency and water temperature on the survival and reproduction of <i>Daphnia magna</i> Straus. <i>Aquatic Toxicology</i> , 1987, 10, 217-224.	4.0	21
4	Relation of length and sex to selenium concentrations in mosquitofish. <i>Environmental Pollution</i> , 1987, 47, 171-186.	7.5	8
5	Biogeochemical cycling of selenium in the San Joaquin Valley, California, USA. <i>Environmental Management</i> , 1987, 11, 805-821.	2.7	208
6	Selenium in aquatic organisms from subsurface agricultural drainage water, San Joaquin Valley, California. <i>Archives of Environmental Contamination and Toxicology</i> , 1987, 16, 657-670.	4.1	141
7	The effects of sample preparation on measured concentrations of eight elements in edible tissues of fish from streams contaminated by lead mining. <i>Archives of Environmental Contamination and Toxicology</i> , 1987, 16, 185-207.	4.1	37
8	Selenium accumulation, reproductive status, and histopathological changes in environmentally exposed redear sunfish. <i>Archives of Toxicology</i> , 1988, 61, 324-329.	4.2	57
9	Selenium accumulation in benthic bivalves and fine sediments of San Francisco Bay, the Sacramento-San Joaquin Delta, and selected tributaries. <i>Estuarine, Coastal and Shelf Science</i> , 1988, 27, 381-396.	2.1	40
10	Reproduction in Black-Crowned Night-Herons Fed Selenium. <i>Lake and Reservoir Management</i> , 1988, 4, 175-180.	1.3	38
11	Bioaccumulation of Selenium by Snakes and Frogs in the San Joaquin Valley, California. <i>Copeia</i> , 1988, 1988, 704.	1.3	37
12	Bioaccumulation of Selenium in Aquatic Ecosystems. <i>Lake and Reservoir Management</i> , 1988, 4, 165-173.	1.3	46
13	Selenium Levels in Biota from Irrigation Drainwater Impoundments in the San Joaquin Valley, California. <i>Lake and Reservoir Management</i> , 1988, 4, 181-186.	1.3	18
14	The Selenium Problem in Lentic Ecosystems. <i>Lake and Reservoir Management</i> , 1988, 4, 155-163.	1.3	20
15	A Research Scientist's Perspective on the Management of Kesterson Reservoir: A Marsh Contaminated with Selenium-Rich Agricultural Drain Water. <i>Lake and Reservoir Management</i> , 1988, 4, 187-198.	1.3	3
16	Regulation of Agricultural Drainage to San Joaquin River. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 1989, 115, 29-41.	1.0	13
17	Dietary Toxicity of Selenium-Contaminated Red Shiners to Striped Bass. <i>Transactions of the American Fisheries Society</i> , 1989, 118, 400-408.	1.4	37
18	Effect of selenium on reproductive behavior and fry of fathead minnows. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1989, 42, 609-613.	2.7	28

#	ARTICLE	IF	CITATIONS
19	Contaminants in foods of aquatic birds at Kesterson Reservoir, California, 1985. Archives of Environmental Contamination and Toxicology, 1989, 18, 773-786.	4.1	48
20	Effects of elevated foodborne selenium on growth and reproduction of the fathead minnow (<i>Pimephales promelas</i>). Archives of Environmental Contamination and Toxicology, 1989, 18, 795-803.	4.1	66
21	Phytomonitoring of pulverized fuel ash leachates by the duckweed <i>Lemna minor</i> . Hydrobiologia, 1989, 188-189, 361-366.	2.0	10
22	Toxicity of organic selenium in the diet to chinook salmon. Environmental Toxicology and Chemistry, 1990, 9, 347-358.	4.3	104
23	Toxicity of inorganic and organic selenium to <i>Daphnia magna</i> (cladocera) and <i>Chironomus riparius</i> (diptera). Environmental Toxicology and Chemistry, 1990, 9, 1171-1181.	4.3	60
24	Effect of selenium on microbial communities in laboratory microcosms and outdoor streams. Toxicity Assessment, 1990, 5, 293-307.	0.6	6
25	Selenium and other elements in juvenile striped bass from the San Joaquin Valley and San Francisco Estuary, California. Archives of Environmental Contamination and Toxicology, 1990, 19, 717-730.	4.1	18
26	Effects of Selenite and Selenate on the Growth and Motility of Seven Species of Marine Microalgae. Canadian Journal of Fisheries and Aquatic Sciences, 1991, 48, 1193-1200.	1.4	28
27	Residue dynamics and effects of aluminum on growth and mortality in brook trout. Environmental Toxicology and Chemistry, 1991, 10, 243-248.	4.3	15
28	Trace Elements in Lake Sediment, Macrozoobenthos, and Fish Near a Coal Ash Disposal Basin. Journal of Freshwater Ecology, 1992, 7, 257-269.	1.2	13
29	Selenium and other elements in freshwater fishes from the irrigated San Joaquin valley, California. Science of the Total Environment, 1992, 126, 109-137.	8.0	25
30	Comparison of selenomethionine and selenite cycling in freshwater experimental ponds. Water, Air, and Soil Pollution, 1992, 62, 25-42.	2.4	15
31	Alterations in zooplankton community structure after selenium-induced replacement of a fish community: a natural whole-lake experiment. Hydrobiologia, 1992, 242, 19-32.	2.0	8
32	The toxicity of selenium in experimental freshwater ponds. Archives of Environmental Contamination and Toxicology, 1992, 23, 440-52.	4.1	28
33	Estimation of waterborne selenium concentrations that are toxicity thresholds for wildlife. Archives of Environmental Contamination and Toxicology, 1992, 23, 154-162.	4.1	48
34	Effects of elevated selenium concentrations on bluegills (<i>Lepomis macrochirus</i>) in outdoor experimental streams. Environmental Toxicology and Chemistry, 1992, 11, 217-224.	4.3	56
35	Comparative acute toxicity and bioconcentration of selenium by the midge <i>Chironomus decorus</i> exposed to selenate, selenite, and seleno-DL-methionine. Archives of Environmental Contamination and Toxicology, 1993, 25, 365-370.	4.1	38
36	Guidelines for evaluating selenium data from aquatic monitoring and assessment studies. Environmental Monitoring and Assessment, 1993, 28, 83-100.	2.7	227

#	ARTICLE	IF	CITATIONS
37	Comparative toxicity of selenite and selenate to the amphipod <i>Hyaella azteca</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 1993, 24, 182-186.	4.1	36
38	Boron, molybdenum, and selenium in aquatic food chains from the lower San Joaquin river and its tributaries, California. <i>Archives of Environmental Contamination and Toxicology</i> , 1993, 24, 307-319.	4.1	94
39	Bioaccumulation of organic and inorganic selenium in a laboratory food chain. <i>Environmental Toxicology and Chemistry</i> , 1993, 12, 57-72.	4.3	175
40	Effect of dietary selenium on the reproductive success of bluegills (<i>Lepomis macrochirus</i>). <i>Environmental Toxicology and Chemistry</i> , 1993, 12, 551-565.	4.3	94
41	Comparative toxicity of selenate, selenite, selenoDL-methionine and selenoDL-cystine to <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , 1993, 12, 755-763.	4.3	57
42	A critique of ecosystem health concepts and indexes. <i>Environmental Toxicology and Chemistry</i> , 1993, 12, 1533-1539.	4.3	315
43	Ecotoxicology and wetland ecosystems: Current understanding and future needs. <i>Environmental Toxicology and Chemistry</i> , 1993, 12, 2209-2224.	4.3	44
44	Sources and impacts of irrigation drainwater contaminants in arid wetlands. <i>Environmental Toxicology and Chemistry</i> , 1993, 12, 2265-2279.	4.3	92
45	Teratogenic Effects of Selenium in Natural Populations of Fresh Water Fish. <i>Ecotoxicology and Environmental Safety</i> , 1993, 26, 181-204.	6.0	192
46	Subsurface Agricultural Irrigation Drainage: The Need for Regulation. <i>Regulatory Toxicology and Pharmacology</i> , 1993, 17, 157-180.	2.7	14
47	Metabolic stress during winter increases the toxicity of selenium to fish. <i>Aquatic Toxicology</i> , 1993, 27, 133-158.	4.0	147
48	Toxicity and bioaccumulation of waterborne and dietary selenium in juvenile bluegill (<i>Lepomis</i>) Tj ETQq1 1 0.784314 rgBT / Overlock 10 4.08 63	4.08	63
49	Ecotoxicology of Selenium in Freshwater Systems. <i>Reviews of Environmental Contamination and Toxicology</i> , 1994, 134, 31-48.	1.3	105
50	Bioaccumulation of selenium from natural geologic sources in western states and its potential consequences. <i>Environmental Management</i> , 1994, 18, 423-436.	2.7	146
51	Concentrations of selenium in biota, sediments, and water at Cibola National Wildlife Refuge. <i>Archives of Environmental Contamination and Toxicology</i> , 1994, 26, 452-458.	4.1	10
52	Selenium uptake by larval <i>Chironomus decorus</i> from a <i>Ruppia maritima</i> -based benthic/detrital substrate. <i>Archives of Environmental Contamination and Toxicology</i> , 1994, 27, 441.	4.1	17
53	Effects of sulfate on selenate uptake and toxicity in the green alga <i>Selenastrum capricornutum</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 1994, 27, 449.	4.1	31
54	The impact of selenium fertilisation on the distribution of selenium in rivers in Finland. <i>Agriculture, Ecosystems and Environment</i> , 1994, 50, 133-149.	5.3	31

#	ARTICLE	IF	CITATIONS
55	Mining in northern Canada: Expanding the industry while protecting arctic fishesâ€”A review. <i>Ecotoxicology and Environmental Safety</i> , 1994, 29, 229-242.	6.0	25
56	Bioaccumulation and toxicity of selenium in <i>Chironomus decorus</i> larvae fed a diet of seleniferous <i>Selenastrum capricornutum</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 1995, 29, 104-109.	4.1	22
57	Effect of sulfate level on selenium uptake by <i>Ruppia maritima</i> . <i>Chemosphere</i> , 1995, 30, 579-591.	8.2	25
58	Toxicity and bioaccumulation of selenium to a threeâ€”trophic level food chain. <i>Environmental Toxicology and Chemistry</i> , 1996, 15, 340-347.	4.3	31
59	Artificial reefs of bulk waste materials: a scientific and legal review of the suitability of using the cement stabilised by-products of coal-fired power stations. <i>Marine Policy</i> , 1996, 20, 483-497.	3.2	22
60	Assessing the toxic threat of selenium to fish and aquatic birds. <i>Environmental Monitoring and Assessment</i> , 1996, 43, 19-35.	2.7	53
61	Selenium bioaccumulation in aquatic ecosystems: 1. Effects of sulfate on the uptake and toxicity of selenate in <i>Daphnia magna</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 1996, 30, 274-279.	4.1	34
62	Selenium Concentrations in Natural and Environmental Waters. <i>Chemical Reviews</i> , 1997, 97, 1979-2004.	47.7	167
63	Ecosystem Recovery Following Selenium Contamination in a Freshwater Reservoir. <i>Ecotoxicology and Environmental Safety</i> , 1997, 36, 275-281.	6.0	112
64	Environmental Hazard of Selenium in the Animas La Plata Water Development Project. <i>Ecotoxicology and Environmental Safety</i> , 1997, 37, 92-96.	6.0	10
65	A Teratogenic Deformity Index for Evaluating Impacts of Selenium on Fish Populations. <i>Ecotoxicology and Environmental Safety</i> , 1997, 37, 259-266.	6.0	122
66	Selenium toxicity to aquatic life: An argument for sedimentâ€”based water quality criteria. <i>Environmental Toxicology and Chemistry</i> , 1997, 16, 1255-1259.	4.3	64
67	A Position Paper on Selenium in Ecotoxicology: A Procedure for Deriving Site-Specific Water Quality Criteria. <i>Ecotoxicology and Environmental Safety</i> , 1998, 39, 1-9.	6.0	15
68	An assessment of the potential hazards of environmental selenium for Canadian water birds. <i>Environmental Reviews</i> , 1999, 7, 81-96.	4.5	23
69	Selenium. <i>Journal of Toxicology: Clinical Toxicology</i> , 1999, 37, 145-172.	1.5	270
70	Acute Toxicity of Sodium Selenite to Juvenile Walleye. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1999, 63, 188-194.	2.7	3
71	Selenium reduction by a denitrifying consortium. , 1999, 62, 479-484.		24
72	Selenium Transport and Bioaccumulation in Aquatic Ecosystems: A Proposal for Water Quality Criteria Based on Hydrological Units. <i>Ecotoxicology and Environmental Safety</i> , 1999, 42, 150-156.	6.0	71

#	ARTICLE	IF	CITATIONS
73	Water-Sediment Controversy in Setting Environmental Standards for Selenium. <i>Ecotoxicology and Environmental Safety</i> , 1999, 44, 227-235.	6.0	40
74	Hypothesis of Historical Effects From Selenium on Endangered Fish in the Colorado River Basin. <i>Human and Ecological Risk Assessment (HERA)</i> , 1999, 5, 1153-1180.	3.4	35
75	Recovery of a power plant cooling reservoir ecosystem from selenium bioaccumulation. <i>Environmental Science and Policy</i> , 2000, 3, 145-163.	4.9	8
76	Assessment of Tolerant Sunfish Populations (<i>Lepomis</i> sp.) Inhabiting Selenium-Laden Coal Ash Effluents. <i>Ecotoxicology and Environmental Safety</i> , 2001, 50, 203-216.	6.0	68
77	Applicability of indicator monitoring to ecological risk assessment. <i>Ecological Indicators</i> , 2001, 1, 101-112.	6.3	84
78	Integrating Individual-Based Indices of Contaminant Effects. <i>Scientific World Journal, The</i> , 2001, 1, 703-712.	2.1	11
79	The relationship of <i>Chironomus riparius</i> larval Se body burden and body concentration to larval dry mass and effects on sensitivity to selenium. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 1630-1640.	4.3	4
80	<i>Ecotoxicology Of Selenium.</i> , 2002, , .		6
81	<i>Trace Element and Nutrition Interactions In Fish and Wildlife.</i> , 2002, , .		3
82	Regulatory Implications of Using Constructed Wetlands to Treat Selenium-Laden Wastewater. <i>Ecotoxicology and Environmental Safety</i> , 2002, 52, 46-56.	6.0	29
83	Selenium Assessment in Aquatic Ecosystems. <i>Springer Series on Environmental Management</i> , 2002, , .	0.3	67
84	Teratogenic Deformity Index for Fish. <i>Springer Series on Environmental Management</i> , 2002, , 89-100.	0.3	4
85	Symptoms and implications of selenium toxicity in fish: the Belews Lake case example. <i>Aquatic Toxicology</i> , 2002, 57, 39-49.	4.0	292
86	Increased selenium threat as a result of invasion of the exotic bivalve <i>Potamocorbula amurensis</i> into the San Francisco Bay-Delta. <i>Aquatic Toxicology</i> , 2002, 57, 51-64.	4.0	66
87	Development of aquatic life criteria for selenium: a regulatory perspective on critical issues and research needs. <i>Aquatic Toxicology</i> , 2002, 57, 101-113.	4.0	45
88	<i>Metals and other inorganic chemicals.</i> , 2002, , 249-348.		6
89	Hazard assessment of selenium to endangered razorback suckers (<i>Xyrauchen texanus</i>). <i>Science of the Total Environment</i> , 2002, 291, 111-121.	8.0	7
90	Ecotoxicological implications of aquatic disposal of coal combustion residues in the United States: a review. <i>Environmental Monitoring and Assessment</i> , 2002, 80, 207-276.	2.7	158

#	ARTICLE	IF	CITATIONS
91	Stream ecosystem response to, and recovery from, experimental exposure to selenium. <i>Hydrobiologia</i> , 2002, 9, 159-184.	0.9	26
92	The environmental management of selenium in aluminum processing. <i>Jom</i> , 2003, 55, 51-54.	1.9	6
93	Female preference for large males in sailfin mollies, <i>Poecilia latipinna</i> : the importance of predation pressure and reproductive status. <i>Acta Ethologica</i> , 2003, -1, 1-1.	0.9	3
94	Growth responses of an estuarine fish exposed to mixed trace elements in sediments over a full life cycle. <i>Ecotoxicology and Environmental Safety</i> , 2003, 54, 229-239.	6.0	29
95	Review of residue-based selenium toxicity thresholds for freshwater fish. <i>Ecotoxicology and Environmental Safety</i> , 2003, 56, 201-210.	6.0	78
96	Seasonal variations and inherent variability of selenium in marine biota of a tropical wetland ecosystem: implications for bioindicator species. <i>Ecological Indicators</i> , 2003, 2, 367-375.	6.3	22
97	Review of selenium toxicity in the aquatic food chain. <i>Science of the Total Environment</i> , 2004, 326, 1-31.	8.0	661
98	Selenium in Water, Sediment, Plants, Invertebrates, and Fish in the Blackfoot River Drainage. <i>Water, Air, and Soil Pollution</i> , 2004, 159, 3-34.	2.4	32
99	Respiratory and Reproductive Characteristics of Eastern Mosquitofish (<i>Gambusia holbrooki</i>) Inhabiting a Coal Ash Settling Basin. <i>Archives of Environmental Contamination and Toxicology</i> , 2004, 46, 96-101.	4.1	22
100	Mass-Dependent Fractionation of Selenium and Chromium Isotopes in Low-Temperature Environments. <i>Reviews in Mineralogy and Geochemistry</i> , 2004, 55, 289-317.	4.8	67
101	Chapter 18 Selenium and other trace elements in water, sediment, aquatic plants, aquatic invertebrates, and fish from streams in se idaho near phosphate mining. <i>Handbook of Exploration and Environmental Geochemistry</i> , 2004, 8, 483-525.	0.2	11
102	Aquatic selenium pollution is a global environmental safety issue. <i>Ecotoxicology and Environmental Safety</i> , 2004, 59, 44-56.	6.0	435
103	The Restoration Potential of the Mesopotamian Marshes of Iraq. <i>Science</i> , 2005, 307, 1307-1311.	12.6	150
104	Selenium in the Blackfoot, Salt, and Bear River Watersheds. <i>Environmental Monitoring and Assessment</i> , 2005, 104, 309-339.	2.7	9
105	Selenium impacts on razorback sucker, Colorado River, Colorado. <i>Ecotoxicology and Environmental Safety</i> , 2005, 61, 7-31.	6.0	10
106	Selenium impacts on razorback sucker, Colorado River, Colorado. <i>Ecotoxicology and Environmental Safety</i> , 2005, 61, 32-43.	6.0	16
107	Organic and inorganic forms of selenium inhibited differently fish (<i>Rhamdia quelen</i>) and rat (<i>Rattus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	7.5	18
108	Bioaccumulation of waterborne selenium in the Asiatic clam <i>Corbicula fluminea</i> : influence of feeding-induced ventilatory activity and selenium species. <i>Aquatic Toxicology</i> , 2005, 72, 251-260.	4.0	23

#	ARTICLE	IF	CITATIONS
109	Restoring the Garden of Eden: An Ecological Assessment of the Marshes of Iraq. <i>BioScience</i> , 2006, 56, 477.	4.9	142
110	Interspecific variation in heavy metal body concentrations in biota of Sunderban mangrove wetland, northeast India. <i>Environment International</i> , 2006, 32, 203-207.	10.0	92
111	Selenium speciation analysis using inductively coupled plasma-mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1114, 1-20.	3.7	176
112	Phytohormone levels in germinating seeds of <i>Zea mays</i> L. exposed to selenium and aflatoxines. <i>Ecotoxicology</i> , 2006, 15, 443-450.	2.4	15
113	A Procedure for NEPA Assessment of Selenium Hazards Associated with Mining. <i>Environmental Monitoring and Assessment</i> , 2006, 101, 93-101.	2.7	11
114	Selenite reduction by a denitrifying culture: batch- and packed-bed reactor studies. <i>Applied Microbiology and Biotechnology</i> , 2006, 71, 953-962.	3.6	15
115	Reproduction, Embryonic Development, and Maternal Transfer of Contaminants in the Amphibian <i>Gastrophryne carolinensis</i> . <i>Environmental Health Perspectives</i> , 2006, 114, 661-666.	6.0	101
116	Effect of selenate on growth and photosynthesis of <i>Chlamydomonas reinhardtii</i> . <i>Aquatic Toxicology</i> , 2007, 83, 149-158.	4.0	97
117	Technical Issues Affecting the Implementation of US Environmental Protection Agency's Proposed Fish Tissue-Based Aquatic Criterion for Selenium. <i>Integrated Environmental Assessment and Management</i> , 2007, 3, 552.	2.9	10
118	A Procedure for NEPA Assessment of Selenium Hazards Associated With Mining. <i>Environmental Monitoring and Assessment</i> , 2007, 125, 361-375.	2.7	19
119	An evaluation of selenium concentrations in water, sediment, invertebrates, and fish from the Solomon River Basin. <i>Environmental Monitoring and Assessment</i> , 2008, 137, 213-232.	2.7	45
120	Selenium bioaccumulation and biomagnification in Lake Wallace, New South Wales, Australia. <i>Marine and Freshwater Research</i> , 2008, 59, 1048.	1.3	12
121	Emerging Opportunities in Management of Selenium Contamination. <i>Environmental Science & Technology</i> , 2009, 43, 8483-8487.	10.0	97
122	Nontraditional Stable Isotopes in Environmental Sciences. , 2009, , 385-435.		0
123	Selenium in surface and irrigation water in the Kendrick irrigation district, Wyoming. <i>Environmental Monitoring and Assessment</i> , 2010, 171, 267-280.	2.7	7
124	Microbial reduction of selenium oxyanions by <i>Anaeromyxobacter dehalogenans</i> . <i>Bioresource Technology</i> , 2010, 101, 3760-3764.	9.6	47
125	Selenium Stable Isotope Investigation into Selenium Biogeochemical Cycling in a Lacustrine Environment: Sweetzer Lake, Colorado. <i>Journal of Environmental Quality</i> , 2010, 39, 2200-2210.	2.0	46
126	Vegetation Changes and Partitioning of Selenium in 4-Year-Old Constructed Wetlands Treating Agricultural Drainage. <i>International Journal of Phytoremediation</i> , 2010, 12, 255-267.	3.1	12

#	ARTICLE	IF	CITATIONS
127	New Diffusive Gradients in a Thin Film Technique for Measuring Inorganic Arsenic and Selenium(IV) Using a Titanium Dioxide Based Adsorbent. <i>Analytical Chemistry</i> , 2010, 82, 7401-7407.	6.5	123
128	Selenium uptake and speciation in wild and caged fish downstream of a metal mining and milling discharge. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 1139-1150.	6.0	33
130	Modeling effects of toxin exposure in fish on long-term population size, with an application to selenium toxicity in bluegill (<i>Lepomis macrochirus</i>). <i>Ecological Modelling</i> , 2011, 222, 3587-3597.	2.5	7
131	The use of field-based mesocosm systems to assess the effects of uranium milling effluent on fathead minnow (<i>Pimephales promelas</i>) reproduction. <i>Ecotoxicology</i> , 2011, 20, 1209-1224.	2.4	12
132	Conducting site-specific assessments of selenium bioaccumulation in aquatic systems. <i>Integrated Environmental Assessment and Management</i> , 2011, 7, 314-324.	2.9	8
133	Impact of alternative electron acceptors on selenium(IV) reduction by <i>Anaeromyxobacter dehalogenans</i> . <i>Bioresource Technology</i> , 2011, 102, 3578-3580.	9.6	14
134	Bioaccumulation and transformation of methylmercury and selenite using zebrafish (<i>Danio Rerio</i>) larvae as a model. <i>Talanta</i> , 2012, 89, 169-177.	5.5	13
135	Selenocompounds in juvenile white sturgeon: Evaluating blood, tissue, and urine selenium concentrations after a single oral dose. <i>Aquatic Toxicology</i> , 2012, 109, 158-165.	4.0	26
136	Modeling Fate, Transport, and Biological Uptake of Selenium in North San Francisco Bay. <i>Estuaries and Coasts</i> , 2012, 35, 1551-1570.	2.2	5
137	Identification of chemicals of potential concern (COPECs) in anthropogenic wetlands of the Colorado River delta. <i>Ecological Engineering</i> , 2013, 59, 52-60.	3.6	20
138	A new approach to determine the ratio of redox active species such as SeIV/SeVI and AsIII/AsV in marine systems. <i>Marine Pollution Bulletin</i> , 2013, 67, 228-233.	5.0	0
139	Organometal(loid)s. <i>Fish Physiology</i> , 2013, 33, 141-194.	0.8	6
140	Fish toxicity testing with selenomethionine spiked feed – what's the real question being asked?. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 511-517.	3.5	10
141	Effect of dietary selenomethionine on growth performance, tissue burden, and histopathology in green and white sturgeon. <i>Aquatic Toxicology</i> , 2014, 148, 65-73.	4.0	41
142	Mobilization of selenium from the Mancos Shale and associated soils in the lower Uncompahgre River Basin, Colorado. <i>Applied Geochemistry</i> , 2014, 48, 16-27.	3.0	28
143	Bioaccumulation and effects of metals and trace elements from aquatic disposal of coal combustion residues: Recent advances and recommendations for further study. <i>Science of the Total Environment</i> , 2014, 485-486, 490-496.	8.0	24
144	Teratogenic effects and monetary cost of selenium poisoning of fish in Lake Sutton, North Carolina. <i>Ecotoxicology and Environmental Safety</i> , 2014, 104, 160-167.	6.0	52
145	Selenium and its Compounds. , 2015, , 205-228.		3

#	ARTICLE	IF	CITATIONS
146	The effect of sulfate on selenate bioaccumulation in two freshwater primary producers: A duckweed (<i>Lemna minor</i>) and a green alga (<i>Pseudokirchneriella subcapitata</i>). <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 2841-2845.	4.3	18
147	Mercury and selenium accumulation in the Colorado River food web, Grand Canyon, USA. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 2385-2394.	4.3	21
148	Bioaccumulation and Effects of Selenium in Wildlife. SSSA Special Publication Series, 2015, , 133-177.	0.2	73
149	Uptake from Water, Internal Distribution and Bioaccumulation of Selenium in <i>Scenedesmus obliquus</i> , <i>Unio mancus</i> and <i>Rattus norvegicus</i> : Part B. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015, 94, 90-95.	2.7	7
150	Selenium tissue burden compartmentalization in resident white sturgeon (<i>Acipenser</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 587 Td (t). <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 152-160.	4.3	16
151	Oxygen kinetic isotope effects in selenate during microbial reduction. <i>Applied Geochemistry</i> , 2015, 63, 261-271.	3.0	4
152	Differential Accumulation of Mercury and Selenium in Brown Trout Tissues of a High-Gradient Urbanized Stream in Colorado, USA. <i>Archives of Environmental Contamination and Toxicology</i> , 2016, 70, 204-218.	4.1	10
153	Population-level consequences for wild fish exposed to sublethal concentrations of chemicals – a critical review. <i>Fish and Fisheries</i> , 2016, 17, 545-566.	5.3	119
154	Modernizing Water Quality Criteria in the United States: A Need to Expand the Definition of Acceptable Data. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 285-291.	4.3	42
155	Dietary Accumulation of Inorganic Selenium by a Larval Amphibian (<i>Hyla chrysoscelis</i>) and Influence on Accumulation of Background Mercury. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017, 99, 182-186.	2.7	2
156	Lentic, lotic, and sulfate-dependent waterborne selenium screening guidelines for freshwater systems. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2503-2513.	4.3	14
157	Uptake and tissue distributions of cadmium, selenium and zinc in striped marsh frog tadpoles exposed during early post-embryonic development. <i>Ecotoxicology and Environmental Safety</i> , 2017, 144, 291-299.	6.0	15
158	Selenium speciation influences bioaccumulation in <i>Limnodynastes peronii</i> tadpoles. <i>Aquatic Toxicology</i> , 2017, 187, 1-8.	4.0	12
159	Selenium and salt mobilization in wetland and arid upland soils of Pariette Draw, Utah (USA). <i>Geoderma</i> , 2017, 305, 363-373.	5.1	14
160	Selenium poisoning of fish by coal ash wastewater in Herrington Lake, Kentucky. <i>Ecotoxicology and Environmental Safety</i> , 2018, 150, 49-53.	6.0	43
161	Environmental hazard assessment of coal ash disposal at the proposed Rampal power plant. <i>Human and Ecological Risk Assessment (HERA)</i> , 2018, 24, 627-641.	3.4	24
162	Distribution of Experimentally Added Selenium in a Boreal Lake Ecosystem. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 1954-1966.	4.3	13
163	Effects of selenium on benthic macroinvertebrates and fathead minnow (<i>Pimephales promelas</i>) in a boreal lake ecosystem. <i>Ecotoxicology and Environmental Safety</i> , 2019, 182, 109354.	6.0	7

#	ARTICLE	IF	CITATIONS
164	Mining waste as a cause of increased bioaccumulation of highly toxic metals in liver and gills of Vardar chub (<i>Squalius vardarensis</i> Karaman, 1928). <i>Environmental Pollution</i> , 2019, 247, 564-576.	7.5	9
165	Environmental hazard assessment of Benga Mining's proposed Grassy Mountain Coal Project. <i>Environmental Science and Policy</i> , 2019, 96, 105-113.	4.9	12
166	Heart developmental toxicity by carbon black waste generated from oil refinery on zebrafish embryos (<i>Danio rerio</i>): Combined toxicity on heart function by nickel and vanadium. <i>Journal of Hazardous Materials</i> , 2019, 363, 127-137.	12.4	25
167	Variability of elements and nutritional value of spiny-cheek crayfish (<i>Faxonius limosus</i> , Rafinesque,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj 5	3.9	10
168	Contaminant Subsidies to Riparian Food Webs in Appalachian Streams Impacted by Mountaintop Removal Coal Mining. <i>Environmental Science & Technology</i> , 2020, 54, 3951-3959.	10.0	28
169	Effects of lithium and selenium in the tail muscle of American bullfrog tadpoles (<i>Lithobates</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj 5 1975-1984.	5.3	5
170	Interpreting Selenium Concentrations. <i>Springer Series on Environmental Management</i> , 2002, , 18-38.	0.3	4
171	Developing Site-Specific Water Quality Criteria. <i>Springer Series on Environmental Management</i> , 2002, , 114-133.	0.3	1
172	Selenium Adsorption on Activated Carbon by Using Radiotracer Technique. , 2013, , 305-322.		4
173	Preliminary Assessment of the Effects of Selenium in Agricultural Drainage on Fish in the San Joaquin Valley. , 1991, , 369-385.		7
174	Multiple stressors in the Sacramento River watershed. , 1998, 86, 303-317.		8
175	Phytomonitoring of pulverized fuel ash leachates by the duckweed <i>Lemna minor</i> . , 1989, , 361-366.		7
176	Chapter 15 Toxicity, Sources, and Control of Selenium, Nickel, and Beryllium in the Environment. <i>Advances in Industrial and Hazardous Wastes Treatment Series</i> , 2016, , 483-512.	0.0	1
178	Selenium Toxicity to Aquatic Organisms. , 2010, , 141-231.		127
179	THE OCCURRENCE AND IMPACTS OF SELENIUM IN AQUATIC SYSTEMS DOWNSTREAM OF A MOUNTAINTOP MINING OPERATION IN CENTRAL APPALACHIA. <i>Journal of the American Society of Mining and Reclamation</i> , 2004, 2004, 1207-1217.	0.3	1
181	Interspecific differences in the bioconcentration of selenite by phytoplankton and their ecological implications. <i>Marine Ecology - Progress Series</i> , 2001, 213, 1-12.	1.9	60
182	Hydrological Units and Selenium Criteria. <i>Springer Series on Environmental Management</i> , 2002, , 103-113.	0.3	0
183	Toxic Effects of Selenium in Fish. <i>Springer Series on Environmental Management</i> , 2002, , 39-58.	0.3	1

#	ARTICLE	IF	CITATIONS
184	Protocol for Aquatic Hazard Assessment. Springer Series on Environmental Management, 2002, , 61-88.	0.3	0
185	Selen " Selenoproteine " Selenmangel " Selenvergiftung. , 2006, , 149-159.		0
186	Methods for Deriving Pesticide Aquatic Life Criteria. Reviews of Environmental Contamination and Toxicology, 2008, , 1-92.	1.3	8
189	Review of toxicity for the main chemical elements - pollutants of salmonid spawning rivers in Kamchatka. Izvestiya Tinro, 2015, 180, 210-225.	0.7	2
190	Impact of heavy metals on freshwater ecosystems. Thematic English language bibliography. Fisheries Science of Ukraine, 2019, , 79-107.	0.1	0
191	Solute Leaching from Fly Ash Amended Soil Under Varying Degrees of Saturation. , 2006, , 134-141.		0
192	Response of Crustacean Zooplankton and Benthic Macroinvertebrate Communities to Selenium Additions in a Boreal Lake. Environmental Toxicology and Chemistry, 2022, 41, 95-107.	4.3	2
193	Contamination Levels of Potentially Toxic Elements and Foraminiferal Distribution Patterns in Lagos Lagoon: A Correlation Analysis. Water (Switzerland), 2022, 14, 37.	2.7	3
194	Selenium cycling in a marine dominated estuary: Lake Macquarie, NSW, Australia a case study. Environmental Chemistry, 2022, 19, 132-143.	1.5	2
195	Relative importance of two correlated variables on aquatic macroinvertebrate communities in a Colorado Front Range river: selenium and urbanization. Environmental Monitoring and Assessment, 2022, 194, .	2.7	3
196	Legacy of Coal Combustion: Widespread Contamination of Lake Sediments and Implications for Chronic Risks to Aquatic Ecosystems. Environmental Science & Technology, 2022, 56, 14723-14733.	10.0	7
197	Environmental Impacts of Coal Combustion Residuals: Current Understanding and Future Perspectives. Environmental Science & Technology, 2023, 57, 1855-1869.	10.0	8
198	Optimization of preparation of NaA zeolite from fly ash for CO2 capture. Environmental Science and Pollution Research, 2023, 30, 102803-102817.	5.3	2
199	The influence of sampling method and season on modeling of selenium into coldwater fish and implications on tissue-based water quality benchmarks. Integrated Environmental Assessment and Management, 0, , .	2.9	0