Federico PÃ¡ez-Osuna

List of Publications by Year
in descending order

179 papers	5,166 citations	81839 39 h-index	123376 61 g-index
179 all docs	179 docs citations	179 times ranked	4321 citing authors

#	Article	IF	Citations
1	The link between COVID-19 mortality and PM2.5 emissions in rural and medium-size municipalities considering population density, dust events, and wind speed. Chemosphere, 2022, 286, 131634.	4.2	29
2	Metals and oxidative stress in aquatic decapod crustaceans: A review with special reference to shrimp and crabs. Aquatic Toxicology, 2022, 242, 106024.	1.9	40
3	A Global Review of Cadmium, Mercury, and Selenium in Sharks: Geographical Patterns, Baseline Levels and Human Health Implications. Reviews of Environmental Contamination and Toxicology, 2022, 260, 1.	0.7	2
4	Microplastics in the tissues of commercial semi-intensive shrimp pond-farmed Litopenaeus vannamei from the Gulf of California ecoregion. Chemosphere, 2022, 297, 134194.	4.2	22
5	Tissue dynamics of potential toxic elements in the Pacific hake (Merluccius productus): distribution and the public health risk assessment. Environmental Science and Pollution Research, 2022, 29, 77945-77957.	2.7	1
6	Microplastic contamination in wild shrimp Litopenaeus vannamei from the Huizache-Caimanero Coastal lagoon, SE Gulf of California. Bulletin of Environmental Contamination and Toxicology, 2022, 109, 425-430.	1.3	11
7	Synergistic effect of chloroquine and copper to the euryhaline rotifer Proales similis. Ecotoxicology, 2022, 31, 1035-1043.	1.1	2
8	Arsenic in waters, soils, sediments, and biota from Mexico: An environmental review. Science of the Total Environment, 2021, 752, 142062.	3.9	61
9	Acute mercury toxicity and bioconcentration in shrimp Litopenaeus vannamei juveniles: Effect of low salinity and chemical speciation. Science of the Total Environment, 2021, 758, 144025.	3.9	5
10	Arsenic in the top predators sailfish (Istiophorus platypterus) and dolphinfish (Coryphaena hippurus) off the southeastern Gulf of California. Environmental Geochemistry and Health, 2021, 43, 3441-3455.	1.8	6
11	Single and mixture toxicity of As, Cd, Cr, Cu, Fe, Hg, Ni, Pb, and Zn to the rotifer Proales similis under different salinities. Environmental Pollution, 2021, 271, 116357.	3.7	26
12	Variation of essential and non-essential trace elements in whale shark epidermis associated to two different feeding areas of the Gulf of California. Environmental Science and Pollution Research, 2021, 28, 36803-36816.	2.7	1
13	Arsenic in Tissues and Prey Species of the Scalloped Hammerhead (Sphyrna lewini) from the SE Gulf of California. Archives of Environmental Contamination and Toxicology, 2021, 80, 624-633.	2.1	5
14	The spotted ratfish Hydrolagus colliei as a potential biomonitor of mercury and selenium from deep-waters of the northern Gulf of California. Marine Pollution Bulletin, 2021, 164, 112102.	2.3	2
15	Concentrations of Silver, Chrome, Manganese and Nickel in Two Stranded Whale Sharks (Rhincodon) Tj ETQq1 1 0.784314 rgBT /Ove 107, 827-832.	1.3	4
16	Trace elements in the whale shark Rhincodon typus liver: an indicator of the health status of the ecosystem base (plankton). Latin American Journal of Aquatic Research, 2021, 49, 359-364.	0.2	1
17	Mercury and selenium biomagnification in a coastal food web from the Gulf of California influenced by agriculture and shrimp aquaculture. Environmental Science and Pollution Research, 2021, 28, 56175-56187.	2.7	5
18	An Economic Analysis of the Environmental Impact of PM2.5 Exposure on Health Status in Three Northwestern Mexican Cities. Sustainability, 2021, 13, 10782.	1.6	4

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19	Mercury, selenium, and stable carbon and nitrogen isotopes in the striped marlin Kajikia audax and blue marlin Makaira nigricans food web from the Gulf of California. Marine Pollution Bulletin, 2021, 170, 112657.	2.3	9
20	Water quality, water usage, nutrient use efficiency and growth of shrimp Litopenaeus vannamei in an integrated aquaponic system with basil Ocimum basilicum. Aquaculture, 2021, 543, 737023.	1.7	9
21	Evidence for Interrupted Biomagnification of Cadmium in Billfish Food Chain Based on Stable Carbon and Nitrogen Isotopes from Southwestern of Gulf of California. Biological Trace Element Research, 2020, 195, 215-225.	1.9	6
22	Trace metal trophic transference and biomagnification in a semiarid coastal lagoon impacted by agriculture and shrimp aquaculture. Environmental Science and Pollution Research, 2020, 27, 5323-5336.	2.7	38
23	Cadmium, mercury, and selenium in muscle of the scalloped hammerhead Sphyrna lewini from the tropical Eastern Pacific: Variation with age, molar ratios and human health risk. Chemosphere, 2020, 242, 125180.	4.2	15
24	Copper in Cultured Shrimp Litopenaeus vannamei and Its Reduction in Hepatopancreas After Exposure to Sublethal Nitrite Levels. Bulletin of Environmental Contamination and Toxicology, 2020, 104, 78-83.	1.3	0
25	Physiological changes in the hemolymph of juvenile shrimp Litopenaeus vannamei to sublethal nitrite and nitrate stress in low-salinity waters. Environmental Toxicology and Pharmacology, 2020, 80, 103472.	2.0	10
26	Finger-like plumes of suspended sediment in the Colorado River Delta, Gulf of California. Estuarine, Coastal and Shelf Science, 2020, 245, 106996.	0.9	2
27	Bioaccumulation of mercury and selenium in tissues of the mesopelagic fish Pacific hake (Merluccius) Tj ETQq1 1 0.784314 rgBT /Ove Chemosphere, 2020, 255, 126941.	4.2	13
28	Assessment of nutrient contamination in the waters of the El Fuerte River, southern Gulf of California, Mexico. Environmental Monitoring and Assessment, 2020, 192, 417.	1.3	6
29	Coâ€culture of shrimp with commercially important plants: a review. Reviews in Aquaculture, 2020, 12, 2411-2428.	4.6	11
30	Mercury (Hg) and selenium (Se) content in the shark Mustelus henlei (Triakidae) in the northern Mexican Pacific. Environmental Science and Pollution Research, 2020, 27, 16774-16783.	2.7	14
31	Numerical Investigation of Sea-Bottom Morphological Changes by the Interaction of Tidal Flow and Idealized Coastal Geometries. Journal of Coastal Research, 2020, 36, 981.	0.1	0
32	Mercury and selenium in the filterâ€“feeding whale shark (Rhincodon typus) from two areas of the Gulf of California, Mexico. Marine Pollution Bulletin, 2019, 146, 955-961.	2.3	14
33	Mercury in sediment cores from the southern Gulf of Mexico: Preindustrial levels and temporal enrichment trends. Marine Pollution Bulletin, 2019, 149, 110498.	2.3	11
34	Trace Elements in Tissues of Whale Sharks (Rhincodon typus) Stranded in the Gulf of California, Mexico. Bulletin of Environmental Contamination and Toxicology, 2019, 103, 515-520.	1.3	9
35	Quality of lettuce Lactuca sativa (var. Tropicana M1) grown with two low-salinity shrimp effluents. Food Chemistry: X, 2019, 2, 100027.	1.8	8
36	Toxicity of ammonia, nitrite and nitrate to Litopenaeus vannamei juveniles in low-salinity water in single and ternary exposure experiments and their environmental implications. Environmental Toxicology and Pharmacology, 2019, 70, 103193.	2.0	48

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37	Distribution and health risk assessment of Cd and Pb in two marine fishes (Haemulopsis axillaris and) Tj ETQq1 1 0.784314 rgBT /Overlo 26, 17450-17456.	2.7	2
38	The influence of anthropogenic organic matter and nutrient inputs on the food web structure in a coastal lagoon receiving agriculture and shrimp farming effluents. Science of the Total Environment, 2019, 664, 635-646.	3.9	21
39	Effect of low salinity on acute arsenic toxicity and bioconcentration in shrimp Litopenaeus vannamei juveniles. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2019, 218, 1-7.	1.3	2
40	Recent history of persistent organic pollutants (PAHs, PCBs, PBDEs) in sediments from a large tropical lake. Journal of Hazardous Materials, 2019, 368, 264-273.	6.5	58
41	Patterns of mercury and selenium in tissues and stomach contents of the dolphinfish Coryphaena hippurus from the SE Gulf of California, Mexico: Concentrations, biomagnification and dietary intake. Marine Pollution Bulletin, 2019, 138, 84-92.	2.3	18
42	Mercury and other trace metals in lettuce (Lactuca sativa) grown with two low-salinity shrimp effluents: Accumulation and human health risk assessment. Science of the Total Environment, 2019, 650, 2535-2544.	3.9	24
43	ARSENIC CONTENT, GRAIN SIZES AND CHEMICAL CHARACTERISTICS IN SURFACE SEDIMENTS OF THE URÃ‘AS LAGOON, NW MEXICO. Revista Internacional De Contaminacion Ambiental, 2019, 35, 771-779.	0.1	1
44	Sub-tropical coastal lagoon salinization associated to shrimp ponds effluents. Estuarine, Coastal and Shelf Science, 2018, 203, 72-79.	0.9	18
45	Mineralogical signatures and sources of recent sediment in a large tropical lake. International Journal of Sediment Research, 2018, 33, 183-190.	1.8	6
46	Comparison of four treatments to evaluate acute toxicity of nitrite in shrimp Litopenaeus vannamei postlarvae: Influence of feeding and the renewal water. Aquaculture, 2018, 491, 375-380.	1.7	3
47	Effect of Nitrogen Compounds on Shrimp Litopenaeus vannamei: Histological Alterations of the Antennal Gland. Bulletin of Environmental Contamination and Toxicology, 2018, 100, 772-777.	1.3	9
48	Sediment dynamics in altata ensenada del pabellÃ³n, a coastal lagoon located in the Gulf of California. Journal of Coastal Conservation, 2018, 22, 709-720.	0.7	1
49	Acute Toxicity of Ammonia, Nitrite and Nitrate to Shrimp Litopenaeus vannamei Postlarvae in Low-Salinity Water. Bulletin of Environmental Contamination and Toxicology, 2018, 101, 229-234.	1.3	70
50	Alternatives for reducing the environmental impact of an ammonia production plant adjacent to a coastal lagoon in the southeastern Gulf of California. Journal of Cleaner Production, 2018, 200, 960-970.	4.6	4
51	Environmental variability at a marine cage culture operation in the MatanchÃ©n Bay, SE Gulf of California, Mexico. Revista De Biologia Marina Y Oceanografia, 2018, 53, 223.	0.1	4
52	Production and management of shrimp (Penaeus vannamei) in co culture with basil (Ocimum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 46, 63-71.	0.2	10
53	Acute toxicity of nitrite on white shrimp <i>Litopenaeus vannamei</i> (Boone) juveniles in lowâ€salinity water. Aquaculture Research, 2017, 48, 2337-2343.	0.9	22
54	Assessment of environmental loads of Cu and Zn from intensive inland shrimp aquaculture. Environmental Monitoring and Assessment, 2017, 189, 69.	1.3	16

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55	Environmental status of the Gulf of California: A pollution review. Earth-Science Reviews, 2017, 166, 181-205.	4.0	103
56	Histological alterations in gills of shrimp Litopenaeus vannamei in low-salinity waters under different stocking densities: Potential relationship with nitrogen compounds. Aquaculture Research, 2017, 48, 5854-5863.	0.9	10
57	Cadmium and lead concentrations in hepatic and muscle tissue of demersal fish from three lagoon systems (SE Gulf of California). Environmental Science and Pollution Research, 2017, 24, 12927-12937.	2.7	12
58	Monitoring of inland waters for culturing shrimp Litopenaeus vannamei: application of a method based on survival and chemical composition. Environmental Monitoring and Assessment, 2017, 189, 395.	1.3	4
59	Differential Tissue Accumulation of Copper, Iron, and Zinc in Bycatch Fish from the Mexican Pacific. Biological Trace Element Research, 2017, 176, 201-206.	1.9	3
60	Copper, zinc, cadmium and lead inputs and outputs in the maternity section of a commercial shrimp hatchery. Latin American Journal of Aquatic Research, 2017, 44, 595-601.	0.2	2
61	Combined environmental stress from shrimp farm and dredging releases in a subtropical coastal lagoon (SE Gulf of California). Marine Pollution Bulletin, 2016, 104, 83-91.	2.3	22
62	Environmental status of the Gulf of California: A review of responses to climate change and climate variability. Earth-Science Reviews, 2016, 162, 253-268.	4.0	55
63	Reducing nutrient impacts from shrimp effluents in a subtropical coastal lagoon. Science of the Total Environment, 2016, 571, 388-397.	3.9	24
64	Trace metals in target tissues and stomach contents of the top predator sailfish Istiophorus platypterus from the Eastern Pacific: concentrations and contrasting behavior of biomagnification. Environmental Science and Pollution Research, 2016, 23, 23791-23803.	2.7	18
65	Sediment dynamics in a complex coastal lagoon system of the Gulf of California. Journal of Coastal Conservation, 2015, 19, 295-306.	0.7	4
66	Heavy Metals in Waters and Suspended Sediments Affected by a Mine Tailing Spill in the Upper San Lorenzo River, Northwestern MÃ©xico. Bulletin of Environmental Contamination and Toxicology, 2015, 94, 583-588.	1.3	16
67	Bioavailability of Cadmium, Copper, Mercury, Lead, and Zinc in Subtropical Coastal Lagoons from the Southeast Gulf of California Using Mangrove Oysters (Crassostrea corteziensis and Crassostrea) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.4	40
68	Mercury and Selenium in Muscle and Target Organs of Scalloped Hammerhead Sharks Sphyrna lewini of the SE Gulf of California: Dietary Intake, Molar Ratios, Loads, and Human Health Risks. Archives of Environmental Contamination and Toxicology, 2015, 69, 440-452.	2.1	41
69	Mercury and selenium in tissues and stomach contents of the migratory sailfish, Istiophorus platypterus , from the Eastern Pacific: Concentration, biomagnification, and dietary intake. Marine Pollution Bulletin, 2015, 101, 349-358.	2.3	25
70	WATER QUALITY IN AN INTEGRATED CULTURE OF WHITE SHRIMP (Litopenaeus vannamei)-TOMATO (Lycopersicon esculentum) USING LOW SALINITY GROUNDWATER IN SONORA, MEXICO. Experimental Agriculture, 2014, 50, 306-319.	0.4	8
71	Assessment of the tidal currents and pollutants dynamics associated with shrimp aquaculture effluents in SAMARE coastal lagoon (NW Mexico). Aquaculture Research, 2014, 45, 1269-1282.	0.9	10
72	Mass balances of nitrogen and phosphorus in an integrated culture of shrimp (Litopenaeus vannamei) and tomato (Lycopersicon esculentum Mill) with low salinity groundwater: A short communication. Aquacultural Engineering, 2014, 58, 107-112.	1.4	17

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73	Bed load transport of sediments and morphodynamics in the Topolobampo coastal lagoon system, Mexico. Journal of Coastal Conservation, 2014, 18, 55-67.	0.7	7
74	Seasonal and Spatial Variation of Carbon and Nitrogen Stable Isotopes in Mangrove Oysters (Crassostrea corteziensis) from the Northwest Coast of Mexico. Journal of Shellfish Research, 2014, 33, 425-432.	0.3	4
75	Long-range atmospheric transport of persistent organic pollutants to remote lacustrine environments. Science of the Total Environment, 2014, 493, 505-520.	3.9	41
76	210 Po, Cd and Pb distribution and biomagnification in the yellowfin tuna Thunnus albacares and skipjack tuna Katsuwonus pelamis from the Eastern Pacific. Marine Pollution Bulletin, 2014, 87, 98-103.	2.3	17
77	Mercury in Fish, Crustaceans and Mollusks from Estuarine Areas in the Pacific Ocean and Gulf of Mexico Under Varying Human Impact. Estuaries of the World, 2014, , 39-49.	0.1	3
78	Trophic Relationships within a Subtropical Estuarine Food Web from the Southeast Gulf of California through Analysis of Stable Isotopes of Carbon and Nitrogen. Estuaries of the World, 2014, , 69-79.	0.1	3
79	The Use of Blood in Anas clypeata as an Efficient and Non-lethal Method for the Biomonitoring of Mercury. Bulletin of Environmental Contamination and Toxicology, 2013, 91, 42-48.	1.3	6
80	Biomonitoring of arsenic through mangrove oyster (Crassostrea corteziensis Hertlein, 1951) from coastal lagoons (SE Gulf of California): occurrence of arsenobetaine and other arseno-compounds. Environmental Monitoring and Assessment, 2013, 185, 7459-7468.	1.3	10
81	Dominance patterns in macroalgal and phytoplankton biomass under different nutrient loads in subtropical coastal lagoons of the SE Gulf of California. Marine Pollution Bulletin, 2013, 77, 274-281.	2.3	25
82	Arsenic and Arsenic Species in Cultured Oyster (Crassostrea gigas and C. corteziensis) from Coastal Lagoons of the SE Gulf of California, Mexico. Biological Trace Element Research, 2013, 151, 43-49.	1.9	17
83	Comparative bioaccumulation of trace metals using six filter feeder organisms in a coastal lagoon ecosystem (of the central-east Gulf of California). Environmental Monitoring and Assessment, 2013, 185, 1071-1085.	1.3	25
84	Mercury in the Atmospheric and Coastal Environments of Mexico. Reviews of Environmental Contamination and Toxicology, 2013, 226, 65-99.	0.7	9
85	Macroalgal blooms in coastal lagoons of the Gulf of California eco-region: a summary of current knowledge. Botanica Marina, 2012, 55, .	0.6	9
86	210Pb-derived history of PAH and PCB accumulation in sediments of a tropical inner lagoon (Las Matas,) Tj ETQq0 0 0 rgBT /Overlock 10	1.6	45
87	210Po Activity and Concentrations of Selected Trace Elements (As, Cd, Cu, Hg, Pb, Zn) in the Muscle Tissue of Tunas Thunnus albacares and Katsuwonus pelamis from the Eastern Pacific Ocean. Biological Trace Element Research, 2012, 149, 371-376.	1.9	20
88	Integrated culture of white shrimp (Litopenaeus vannamei) and tomato (Lycopersicon esculentum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.7	52
89	Mercury transfer in a subtropical coastal lagoon food web (SE Gulf of California) under two contrasting climatic conditions. Environmental Toxicology, 2012, 27, 526-536.	2.1	13
90	Mercury in blood and eggs of the sea turtle Lepidochelys olivacea from a nesting colony in Oaxaca, Mexico. Marine Pollution Bulletin, 2011, 62, 1320-1323.	2.3	33

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91	Health Risk Associated to Dietary Intake of Mercury in Selected Coastal Areas of Mexico. Bulletin of Environmental Contamination and Toxicology, 2011, 86, 180-188.	1.3	20
92	Total and Organic Mercury in Ten Fish Species for Human Consumption from the Mexican Pacific. Bulletin of Environmental Contamination and Toxicology, 2011, 86, 679-683.	1.3	10
93	Cadmium, Copper, Lead and Zinc in Cultured Oysters Under two Contrasting Climatic Conditions in Coastal Lagoons from SE Gulf of California, Mexico. Bulletin of Environmental Contamination and Toxicology, 2011, 87, 272-275.	1.3	8
94	Trophic Transfer of Lead Through a Model Marine Four-Level Food Chain: Tetraselmis suecica, Artemia franciscana, Litopenaeus vannamei, and Haemulon scudderi. Archives of Environmental Contamination and Toxicology, 2011, 61, 280-291.	2.1	31
95	Trophic Transfer and Dietary Mineral Intake of Essential Elements in Thunnus albacares and Katsuwonus pelamis from the Eastern Pacific. Biological Trace Element Research, 2011, 143, 231-239.	1.9	11
96	Biological responses of a simulated marine food chain to lead addition. Environmental Toxicology and Chemistry, 2011, 30, 1611-1617.	2.2	9
97	Trace Metals (Cd, Cu, Ni, and Zn) in Blood and Eggs of the Sea Turtle Lepidochelys olivacea from a Nesting Colony of Oaxaca, Mexico. Archives of Environmental Contamination and Toxicology, 2010, 59, 632-641.	2.1	40
98	Mercury in Cultured Oysters (Crassostrea gigas Thunberg, 1793 and C. corteziensis Hertlein, 1951) from Four Coastal Lagoons of the SE Gulf of California, Mexico. Bulletin of Environmental Contamination and Toxicology, 2010, 85, 339-343.	1.3	18
99	Essential (Cu) and nonessential (Cd and Pb) metals in ichthyofauna from the coasts of Sinaloa state (SE Gulf of California). Environmental Monitoring and Assessment, 2010, 162, 251-263.	1.3	25
100	Lead in blood and eggs of the sea turtle, Lepidochelys olivacea, from the Eastern Pacific: Concentration, isotopic composition and maternal transfer. Marine Pollution Bulletin, 2010, 60, 433-439.	2.3	45
101	A first approach to study the mobility and behavior of lead in hypersaline salt marsh sediments: Diffusive and advective fluxes, geochemical partitioning and Pb isotopes. Journal of Geochemical Exploration, 2010, 104, 87-96.	1.5	7
102	Eutrophication and macroalgal blooms in temperate and tropical coastal waters: nutrient enrichment experiments with Ulva spp.. Global Change Biology, 2010, 16, 2624-2637.	4.2	291
103	Histological effects of Cu2+ to white shrimp Litopenaeus vannamei (Crustacea: Decapoda) juveniles at low salinities. Revista De Biologia Marina Y Oceanografia, 2010, 45, .	0.1	6
104	Macroalgae blooms and Î´15N in subtropical coastal lagoons from the Southeastern Gulf of California: Discrimination among agricultural, shrimp farm and sewage effluents. Marine Pollution Bulletin, 2009, 58, 1144-1151.	2.3	55
105	Changes of coastal sedimentation in the Gulf of Tehuantepec, South Pacific Mexico, over the last 100 years from short-lived radionuclide measurements. Estuarine, Coastal and Shelf Science, 2009, 82, 525-536.	0.9	42
106	How much and where do Mexican scientists publish their research in environmental science?. Environmental Pollution, 2009, 157, 1764-1766.	3.7	0
107	Mercury in Biota and Surficial Sediments from Coatzacoalcos Estuary, Gulf of Mexico: Distribution and Seasonal Variation. Water, Air, and Soil Pollution, 2009, 197, 165-174.	1.1	30
108	Historical PCB fluxes in the Mexico City Metropolitan Zone as evidenced by a sedimentary record from the Espejo de los Lirios lake. Chemosphere, 2009, 75, 1252-1258.	4.2	22

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109	Tidal Hydrodynamics and their Implications for the Dispersion of Effluents in MazatlÃ¡n Harbor: An Urbanized Shallow Coastal Lagoon. Water, Air, and Soil Pollution, 2008, 194, 343-357.	1.1	30
110	Bulk and Bioavailable Heavy Metals (Cd, Cu, Pb, and Zn) in Surface Sediments from MazatlÃ¡n Harbor (SE) Tj ETQq0 0 0 rgBT /Overlock 1	1.3	22
111	Trophic Distribution of Cd, Pb, and Zn in a Food Web from Altata-Ensenada del PabellÃ³n Subtropical Lagoon, SE Gulf of California. Archives of Environmental Contamination and Toxicology, 2008, 54, 584-596.	2.1	48
112	PCBs and PAHs in surficial sediments from aquatic environments of Mexico City and the coastal states of Sonora, Sinaloa, Oaxaca and Veracruz (Mexico). Environmental Geology, 2008, 54, 1537-1545.	1.2	17
113	Mercury in fish that are of dietary importance from the coasts of Sinaloa (SE Gulf of California). Journal of Food Composition and Analysis, 2008, 21, 211-218.	1.9	49
114	Lead pollution in subtropical ecosystems on the SE Gulf of California Coast: A study of concentrations and isotopic composition. Marine Environmental Research, 2008, 66, 451-458.	1.1	48
115	Diagenetic processes on metals in hypersaline mudflat sediments from a subtropical saltmarsh (SE) Tj ETQq1 1 0.784314 rgBT /Overlo 23, 1202-1217.	1.4	18
116	Histological changes and survival of Litopenaeus vannamei juveniles with different copper concentrations. Aquaculture, 2008, 278, 97-100.	1.7	41
117	Histological effects of a combination of heavy metals on Pacific white shrimp Litopenaeus vannamei juveniles. Aquatic Toxicology, 2008, 89, 152-157.	1.9	33
118	Species composition and seasonal changes in macroalgal blooms in lagoons along the southeastern Gulf of California. Botanica Marina, 2008, 51, .	0.6	30
119	Essential and toxic metals in nine fish species for human consumption from two coastal lagoons in the Eastern Gulf of California. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2007, 42, 1411-1416.	0.9	15
120	Water quality, chemical fluxes and production in semi-intensive Pacific white shrimp (Litopenaeus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 36, 105-114.	1.4	50
121	210Pb chronology and trace metal geochemistry at Los Tuxtlas, Mexico, as evidenced by a sedimentary record from the Lago Verde crater lake. Quaternary Research, 2007, 67, 181-192.	1.0	52
122	Recent Sedimentary History of Organic Matter and Nutrient Accumulation in the Ohuira Lagoon, Northwestern Mexico. Archives of Environmental Contamination and Toxicology, 2007, 53, 159-167.	2.1	21
123	Mercury Distribution in Selected Tissues of Migratory and Resident Avifauna from Altata-Ensenada del PabellÃ³n Lagoon, Southeast Gulf of California. Bulletin of Environmental Contamination and Toxicology, 2007, 78, 39-43.	1.3	13
124	Lead in clams and fish of dietary importance from Coatzacoalcos estuary (Gulf of Mexico), an industrialized tropical region. Bulletin of Environmental Contamination and Toxicology, 2007, 79, 508-513.	1.3	10
125	Chronicling a Century of Lead Pollution in Mexico:Â Stable Lead Isotopic Composition Analyses of Dated Sediment Cores. Environmental Science & Technology, 2006, 40, 764-770.	4.6	53
126	Nutrient mass balances in semi-intensive shrimp ponds from Sonora, Mexico using two feeding strategies: Trays and mechanical dispersal. Aquaculture, 2006, 258, 289-298.	1.7	75

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127	A survey on use of the chemical and biological products for shrimp farming in Sinaloa (NW Mexico). Aquacultural Engineering, 2006, 35, 135-146.	1.4	48
128	Heavy metals and clay minerals in surface sediments from the Mazatlan Bay, Mexican subtropical Pacific coast. International Journal of Environment and Pollution, 2006, 26, 201.	0.2	3
129	Mercury in Fish and Shark Tissues from Two Coastal Lagoons in the Gulf of California, Mexico. Bulletin of Environmental Contamination and Toxicology, 2005, 74, 294-300.	1.3	36
130	Environmental Load of Nitrogen and Phosphorus from Extensive, Semiintensive, and Intensive Shrimp Farms in the Gulf of California Ecoregion. Bulletin of Environmental Contamination and Toxicology, 2005, 74, 681-688.	1.3	32
131	Mercury in surface sediments and benthic organisms from Guaymas Bay, east coast of the Gulf of California. Environmental Geochemistry and Health, 2005, 27, 321-329.	1.8	32
132	210Pb geochronology of sediment accumulation rates in Mexico City Metropolitan Zone as recorded at Espejo de los Lirios lake sediments. Catena, 2005, 61, 31-48.	2.2	27
133	Bioaccumulation of Cd, Co, Cr, Cu, Fe, Hg, Mn, Ni, Pb and Zn in trophosome and vestimentum of the tube worm Riftia pachyptila from Guaymas basin, Gulf of California. Deep-Sea Research Part I: Oceanographic Research Papers, 2005, 52, 1319-1323.	0.6	18
134	Distribution and Concentration of Trace Metals in Tissues of Three Penaeid Shrimp Species from Altata-Ensenada del Pabellï¿½n Lagoon (S.E. Gulf of California). Bulletin of Environmental Contamination and Toxicology, 2004, 72, 452-459.	1.3	8
135	Heavy Metals in Sediments and Lobster (Panulirus gracilis) from the Discharge Area of the Submarine Sewage Outfall in Mazatlï¿½n Bay (SE Gulf of California). Archives of Environmental Contamination and Toxicology, 2004, 46, 485-91.	2.1	11
136	Trace Metals in Tissues of Resident and Migratory Birds from a Lagoon Associated with an Agricultural Drainage Basin (SE Gulf of California). Archives of Environmental Contamination and Toxicology, 2004, 47, 117-25.	2.1	13
137	210Pb geochronology and trace metal fluxes (Cd, Cu and Pb) in the Gulf of Tehuantepec, South Pacific of Mexico. Journal of Environmental Radioactivity, 2004, 76, 161-175.	0.9	34
138	Historical trace metal fluxes in the Mexico City Metropolitan Zone as evidenced by a sedimentary record from the Espejo de los Lirios lake. Journal of Environmental Monitoring, 2004, 6, 473-480.	2.1	14
139	Potential Bioavailability of Heavy Metals in Surface Sediments from the Altata-Ensenada del PabellÃ³n Lagoon, SE Gulf of California. Journal of Coastal Research, 2004, 204, 1126-1134.	0.1	9
140	Shrimp aquaculture development and the environment in the Gulf of California ecoregion. Marine Pollution Bulletin, 2003, 46, 806-815.	2.3	144
141	The loading history of trace metals and nutrients in Altata-Ensenada del PabellÃ³n, lagoon complex, northwestern Mexico. Journal of Environmental Radioactivity, 2003, 69, 129-143.	0.9	8
142	Nutrient cycling at the sedimentâ€“water interface and in sediments at Chiricahueto marsh: a subtropical ecosystem associated with agricultural land uses. Water Research, 2003, 37, 719-728.	5.3	21
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