

Federico PÃ¡ez-Osuna

List of Publications by Year in descending order

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179
papers

5,166
citations

81839

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123376

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179
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179
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179
times ranked

4321
citing authors

#	ARTICLE	IF	CITATIONS
1	Eutrophication and macroalgal blooms in temperate and tropical coastal waters: nutrient enrichment experiments with <i>Ulva</i> spp.. <i>Global Change Biology</i> , 2010, 16, 2624-2637.	4.2	291
2	The Environmental Impact of Shrimp Aquaculture: Causes, Effects, and Mitigating Alternatives. <i>Environmental Management</i> , 2001, 28, 131-140.	1.2	278
3	Distribution and Normalization of Heavy Metal Concentrations in Mangrove and Lagoonal Sediments from MazatlÃ¡n Harbor (SE Gulf of California). <i>Estuarine, Coastal and Shelf Science</i> , 2001, 53, 259-274.	0.9	162
4	Nutrients, phytoplankton and harmful algal blooms in shrimp ponds: a review with special reference to the situation in the Gulf of California. <i>Aquaculture</i> , 2003, 219, 317-336.	1.7	160
5	Shrimp aquaculture development and the environment in the Gulf of California ecoregion. <i>Marine Pollution Bulletin</i> , 2003, 46, 806-815.	2.3	144
6	The environmental impact of shrimp aquaculture and the coastal pollution in Mexico. <i>Marine Pollution Bulletin</i> , 1998, 36, 65-75.	2.3	136
7	Fluxes and mass balances of nutrients in a semi-intensive shrimp farm in north-western Mexico. <i>Marine Pollution Bulletin</i> , 1997, 34, 290-297.	2.3	124
8	Environmental status of the Gulf of California: A pollution review. <i>Earth-Science Reviews</i> , 2017, 166, 181-205.	4.0	103
9	Trace metal concentrations in relation to season and gonadal maturation in the oyster <i>Crassostrea iridescens</i> . <i>Marine Environmental Research</i> , 1995, 40, 19-31.	1.1	94
10	Discharge of Nutrients from Shrimp Farming to Coastal Waters of the Gulf of California. <i>Marine Pollution Bulletin</i> , 1999, 38, 585-592.	2.3	78
11	Nutrient mass balances in semi-intensive shrimp ponds from Sonora, Mexico using two feeding strategies: Trays and mechanical dispersal. <i>Aquaculture</i> , 2006, 258, 289-298.	1.7	75
12	Historical trends of metal pollution recorded in the sediments of the Culiacan River Estuary, Northwestern Mexico. <i>Applied Geochemistry</i> , 2003, 18, 577-588.	1.4	70
13	Acute Toxicity of Ammonia, Nitrite and Nitrate to Shrimp <i>Litopenaeus vannamei</i> Postlarvae in Low-Salinity Water. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018, 101, 229-234.	1.3	70
14	Arsenic, Antimony, Selenium and other Trace Elements in Sediments of the La Paz Lagoon, Peninsula of Baja California, Mexico. <i>Marine Pollution Bulletin</i> , 2001, 42, 174-178.	2.3	68
15	Distribution and association of trace metals in soft tissue and byssus of <i>Mytella strigata</i> and other benthic organisms from Mazatlan Harbour, Mangrove Lagoon of the northwest coast of Mexico. <i>Environment International</i> , 1998, 24, 359-374.	4.8	64
16	Arsenic in waters, soils, sediments, and biota from Mexico: An environmental review. <i>Science of the Total Environment</i> , 2021, 752, 142062.	3.9	61
17	Recent history of persistent organic pollutants (PAHs, PCBs, PBDEs) in sediments from a large tropical lake. <i>Journal of Hazardous Materials</i> , 2019, 368, 264-273.	6.5	58
18	Heavy metal anomalies in lagoon sediments related to intensive agriculture in Altata-Ensenada del PabellÃ³n coastal system (SE Gulf of California). <i>Environment International</i> , 2001, 26, 265-273.	4.8	57

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19	Macroalgae blooms and $\delta^{15}\text{N}$ in subtropical coastal lagoons from the Southeastern Gulf of California: Discrimination among agricultural, shrimp farm and sewage effluents. <i>Marine Pollution Bulletin</i> , 2009, 58, 1144-1151.	2.3	55
20	Environmental status of the Gulf of California: A review of responses to climate change and climate variability. <i>Earth-Science Reviews</i> , 2016, 162, 253-268.	4.0	55
21	Chronicle a Century of Lead Pollution in Mexico: A Stable Lead Isotopic Composition Analyses of Dated Sediment Cores. <i>Environmental Science & Technology</i> , 2006, 40, 764-770.	4.6	53
22	Concentrations of selected trace metals (Cu, Pb, Zn), organochlorines (PCBs, HCB) and total PAHs in mangrove oysters from the Pacific Coast of Mexico: an overview. <i>Marine Pollution Bulletin</i> , 2002, 44, 1303-1308.	2.3	52
23	^{210}Pb chronology and trace metal geochemistry at Los Tuxtlas, Mexico, as evidenced by a sedimentary record from the Lago Verde crater lake. <i>Quaternary Research</i> , 2007, 67, 181-192.	1.0	52
24	Integrated culture of white shrimp (<i>Litopenaeus vannamei</i>) and tomato (<i>Lycopersicon esculentum</i>)	1.7	52
25	Concentration and distribution of heavy metals in tissues of wild and farmed shrimp <i>Penaeus vannamei</i> from the northwest coast of Mexico. <i>Environment International</i> , 1996, 22, 443-450.	4.8	50
26	Water quality, chemical fluxes and production in semi-intensive Pacific white shrimp (<i>Litopenaeus</i>)	1.4	50
27	Mercury in fish that are of dietary importance from the coasts of Sinaloa (SE Gulf of California). <i>Journal of Food Composition and Analysis</i> , 2008, 21, 211-218.	1.9	49
28	A survey on use of the chemical and biological products for shrimp farming in Sinaloa (NW Mexico). <i>Aquacultural Engineering</i> , 2006, 35, 135-146.	1.4	48
29	Trophic Distribution of Cd, Pb, and Zn in a Food Web from Altata-Ensenada del PabellÃ³n Subtropical Lagoon, SE Gulf of California. <i>Archives of Environmental Contamination and Toxicology</i> , 2008, 54, 584-596.	2.1	48
30	Lead pollution in subtropical ecosystems on the SE Gulf of California Coast: A study of concentrations and isotopic composition. <i>Marine Environmental Research</i> , 2008, 66, 451-458.	1.1	48
31	Toxicity of ammonia, nitrite and nitrate to <i>Litopenaeus vannamei</i> juveniles in low-salinity water in single and ternary exposure experiments and their environmental implications. <i>Environmental Toxicology and Pharmacology</i> , 2019, 70, 103193.	2.0	48
32	Lead in blood and eggs of the sea turtle, <i>Lepidochelys olivacea</i> , from the Eastern Pacific: Concentration, isotopic composition and maternal transfer. <i>Marine Pollution Bulletin</i> , 2010, 60, 433-439.	2.3	45
33	^{210}Pb -derived history of PAH and PCB accumulation in sediments of a tropical inner lagoon (Las Matas,)	1.6	45
34	Acute Toxicity of Ammonia to Juvenile Shrimp <i>Penaeus vannamei</i> Boone. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1999, 62, 646-652.	1.3	42
35	Changes of coastal sedimentation in the Gulf of Tehuantepec, South Pacific Mexico, over the last 100 years from short-lived radionuclide measurements. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 82, 525-536.	0.9	42
36	Bioavailability of Cadmium, Copper, Mercury, Lead, and Zinc in Subtropical Coastal Lagoons from the Southeast Gulf of California Using Mangrove Oysters (<i>Crassostrea corteziensis</i> and <i>Crassostrea</i>)	1.0	42

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37	Histological changes and survival of <i>Litopenaeus vannamei</i> juveniles with different copper concentrations. <i>Aquaculture</i> , 2008, 278, 97-100.	1.7	41
38	Long-range atmospheric transport of persistent organic pollutants to remote lacustrine environments. <i>Science of the Total Environment</i> , 2014, 493, 505-520.	3.9	41
39	Mercury and Selenium in Muscle and Target Organs of Scalloped Hammerhead Sharks <i>Sphyrna lewini</i> of the SE Gulf of California: Dietary Intake, Molar Ratios, Loads, and Human Health Risks. <i>Archives of Environmental Contamination and Toxicology</i> , 2015, 69, 440-452.	2.1	41
40	Effects of Ammonia on Mortality and Feeding of Postlarvae Shrimp <i>Litopenaeus vannamei</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2000, 65, 98-103.	1.3	40
41	Trace Metals (Cd, Cu, Ni, and Zn) in Blood and Eggs of the Sea Turtle <i>Lepidochelys olivacea</i> from a Nesting Colony of Oaxaca, Mexico. <i>Archives of Environmental Contamination and Toxicology</i> , 2010, 59, 632-641.	2.1	40
42	Metals and oxidative stress in aquatic decapod crustaceans: A review with special reference to shrimp and crabs. <i>Aquatic Toxicology</i> , 2022, 242, 106024.	1.9	40
43	Trace metal trophic transference and biomagnification in a semiarid coastal lagoon impacted by agriculture and shrimp aquaculture. <i>Environmental Science and Pollution Research</i> , 2020, 27, 5323-5336.	2.7	38
44	Heavy-metal accumulation in the hydrothermal vent clam <i>Vesicomys gigas</i> from Guaymas basin, Gulf of California. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2003, 50, 757-761.	0.6	37
45	Trophic Conditions and Stoichiometric Nutrient Balance in Subtropical Waters Influenced by Municipal Sewage Effluents in Mazatlán Bay (SE Gulf of California). <i>Marine Pollution Bulletin</i> , 2000, 40, 331-339.	2.3	36
46	Mercury in Fish and Shark Tissues from Two Coastal Lagoons in the Gulf of California, Mexico. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2005, 74, 294-300.	1.3	36
47	²¹⁰ Pb geochronology and trace metal fluxes (Cd, Cu and Pb) in the Gulf of Tehuantepec, South Pacific of Mexico. <i>Journal of Environmental Radioactivity</i> , 2004, 76, 161-175.	0.9	34
48	Comparative bioaccumulation of trace metals in <i>Penaeus stylirostris</i> in estuarine and coastal environments. <i>Estuarine, Coastal and Shelf Science</i> , 1995, 40, 35-44.	0.9	33
49	Histological effects of a combination of heavy metals on Pacific white shrimp <i>Litopenaeus vannamei</i> juveniles. <i>Aquatic Toxicology</i> , 2008, 89, 152-157.	1.9	33
50	Mercury in blood and eggs of the sea turtle <i>Lepidochelys olivacea</i> from a nesting colony in Oaxaca, Mexico. <i>Marine Pollution Bulletin</i> , 2011, 62, 1320-1323.	2.3	33
51	Environmental Load of Nitrogen and Phosphorus from Extensive, Semiintensive, and Intensive Shrimp Farms in the Gulf of California Ecoregion. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2005, 74, 681-688.	1.3	32
52	Mercury in surface sediments and benthic organisms from Guaymas Bay, east coast of the Gulf of California. <i>Environmental Geochemistry and Health</i> , 2005, 27, 321-329.	1.8	32
53	Biochemical composition of the oysters <i>Crassostrea iridescens</i> Hanley and <i>Crassostrea corteziensis</i> Hertlein in the Northwest coast of Mexico: seasonal changes. <i>Journal of Experimental Marine Biology and Ecology</i> , 1993, 170, 1-9.	0.7	31
54	Trophic Transfer of Lead Through a Model Marine Four-Level Food Chain: <i>Tetraselmis suecica</i> , <i>Artemia franciscana</i> , <i>Litopenaeus vannamei</i> , and <i>Haemulon scudderii</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2011, 61, 280-291.	2.1	31

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55	Tidal Hydrodynamics and their Implications for the Dispersion of Effluents in Mazatlán Harbor: An Urbanized Shallow Coastal Lagoon. <i>Water, Air, and Soil Pollution</i> , 2008, 194, 343-357.	1.1	30
56	Species composition and seasonal changes in macroalgal blooms in lagoons along the southeastern Gulf of California. <i>Botanica Marina</i> , 2008, 51, .	0.6	30
57	Mercury in Biota and Surficial Sediments from Coatzacoalcos Estuary, Gulf of Mexico: Distribution and Seasonal Variation. <i>Water, Air, and Soil Pollution</i> , 2009, 197, 165-174.	1.1	30
58	The link between COVID-19 mortality and PM2.5 emissions in rural and medium-size municipalities considering population density, dust events, and wind speed. <i>Chemosphere</i> , 2022, 286, 131634.	4.2	29
59	Trace metals in tropical coastal lagoon bivalves, <i>Crassostrea corteziensis</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 1990, 45, 538-544.	1.3	27
60	²¹⁰ Pb geochronology of sediment accumulation rates in Mexico City Metropolitan Zone as recorded at Espejo de los Lirios lake sediments. <i>Catena</i> , 2005, 61, 31-48.	2.2	27
61	Heavy metals in clams from a subtropical coastal lagoon associated with an agricultural drainage basin. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1993, 50, 915-21.	1.3	26
62	Distribution of Mercury in Sediments from La Paz Lagoon, Peninsula of Baja California, Mexico. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1999, 63, 45-51.	1.3	26
63	Cd, Cu, Pb, and Zn in Lagoonal Sediments from Mazatlán Harbor (SE Gulf of California): Bioavailability and Geochemical Fractioning. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2001, 66, 350-356.	1.3	26
64	Single and mixture toxicity of As, Cd, Cr, Cu, Fe, Hg, Ni, Pb, and Zn to the rotifer <i>Proales similis</i> under different salinities. <i>Environmental Pollution</i> , 2021, 271, 116357.	3.7	26
65	Essential (Cu) and nonessential (Cd and Pb) metals in ichthyofauna from the coasts of Sinaloa state (SE Gulf of California). <i>Environmental Monitoring and Assessment</i> , 2010, 162, 251-263.	1.3	25
66	Dominance patterns in macroalgal and phytoplankton biomass under different nutrient loads in subtropical coastal lagoons of the SE Gulf of California. <i>Marine Pollution Bulletin</i> , 2013, 77, 274-281.	2.3	25
67	Comparative bioaccumulation of trace metals using six filter feeder organisms in a coastal lagoon ecosystem (of the central-east Gulf of California). <i>Environmental Monitoring and Assessment</i> , 2013, 185, 1071-1085.	1.3	25
68	Mercury and selenium in tissues and stomach contents of the migratory sailfish, <i>Istiophorus platypterus</i> , from the Eastern Pacific: Concentration, biomagnification, and dietary intake. <i>Marine Pollution Bulletin</i> , 2015, 101, 349-358.	2.3	25
69	Reducing nutrient impacts from shrimp effluents in a subtropical coastal lagoon. <i>Science of the Total Environment</i> , 2016, 571, 388-397.	3.9	24
70	Mercury and other trace metals in lettuce (<i>Lactuca sativa</i>) grown with two low-salinity shrimp effluents: Accumulation and human health risk assessment. <i>Science of the Total Environment</i> , 2019, 650, 2535-2544.	3.9	24
71	Gonadal maturation and trace metals in the mangrove oyster <i>Crassostrea corteziensis</i> : seasonal variation. <i>Science of the Total Environment</i> , 1999, 231, 115-123.	3.9	23
72	Bulk and Bioavailable Heavy Metals (Cd, Cu, Pb, and Zn) in Surface Sediments from Mazatlán Harbor (SE) Tj ETQqQ 0 0 rgBT /O Overlock 1	1.3	22

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73	Historical PCB fluxes in the Mexico City Metropolitan Zone as evidenced by a sedimentary record from the Espejo de los Lirios lake. <i>Chemosphere</i> , 2009, 75, 1252-1258.	4.2	22
74	Combined environmental stress from shrimp farm and dredging releases in a subtropical coastal lagoon (SE Gulf of California). <i>Marine Pollution Bulletin</i> , 2016, 104, 83-91.	2.3	22
75	Acute toxicity of nitrite on white shrimp <i>Litopenaeus vannamei</i> (Boone) juveniles in low salinity water. <i>Aquaculture Research</i> , 2017, 48, 2337-2343.	0.9	22
76	Microplastics in the tissues of commercial semi-intensive shrimp pond-farmed <i>Litopenaeus vannamei</i> from the Gulf of California ecoregion. <i>Chemosphere</i> , 2022, 297, 134194.	4.2	22
77	Nutrient cycling at the sediment-water interface and in sediments at Chiricahueto marsh: a subtropical ecosystem associated with agricultural land uses. <i>Water Research</i> , 2003, 37, 719-728.	5.3	21
78	Recent Sedimentary History of Organic Matter and Nutrient Accumulation in the Ohuira Lagoon, Northwestern Mexico. <i>Archives of Environmental Contamination and Toxicology</i> , 2007, 53, 159-167.	2.1	21
79	The influence of anthropogenic organic matter and nutrient inputs on the food web structure in a coastal lagoon receiving agriculture and shrimp farming effluents. <i>Science of the Total Environment</i> , 2019, 664, 635-646.	3.9	21
80	Trace metals in bivalves from Navachiste lagoon, Mexico. <i>Marine Pollution Bulletin</i> , 1991, 22, 305-307.	2.3	20
81	Health Risk Associated to Dietary Intake of Mercury in Selected Coastal Areas of Mexico. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011, 86, 180-188.	1.3	20
82	²¹⁰ Po Activity and Concentrations of Selected Trace Elements (As, Cd, Cu, Hg, Pb, Zn) in the Muscle Tissue of Tunas <i>Thunnus albacares</i> and <i>Katsuwonus pelamis</i> from the Eastern Pacific Ocean. <i>Biological Trace Element Research</i> , 2012, 149, 371-376.	1.9	20
83	²¹⁰ Pb in a tropical coastal lagoon sediment core. <i>Estuarine, Coastal and Shelf Science</i> , 1985, 20, 367-374.	0.9	18
84	Regional variations of heavy metal concentrations in tissues of barnacles from the subtropical Pacific Coast of Mexico. <i>Environment International</i> , 1999, 25, 647-654.	4.8	18
85	Bioaccumulation of Cd, Co, Cr, Cu, Fe, Hg, Mn, Ni, Pb and Zn in trophosome and vestimentum of the tube worm <i>Riftia pachyptila</i> from Guaymas basin, Gulf of California. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2005, 52, 1319-1323.	0.6	18
86	Diagenetic processes on metals in hypersaline mudflat sediments from a subtropical saltmarsh (SE Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 23, 1202-1217.	1.4	18
87	Mercury in Cultured Oysters (<i>Crassostrea gigas</i> Thunberg, 1793 and <i>C. corteziensis</i> Hertlein, 1951) from Four Coastal Lagoons of the SE Gulf of California, Mexico. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2010, 85, 339-343.	1.3	18
88	Trace metals in target tissues and stomach contents of the top predator sailfish <i>Istiophorus platypterus</i> from the Eastern Pacific: concentrations and contrasting behavior of biomagnification. <i>Environmental Science and Pollution Research</i> , 2016, 23, 23791-23803.	2.7	18
89	Sub-tropical coastal lagoon salinization associated to shrimp ponds effluents. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 203, 72-79.	0.9	18
90	Patterns of mercury and selenium in tissues and stomach contents of the dolphinfish <i>Coryphaena hippurus</i> from the SE Gulf of California, Mexico: Concentrations, biomagnification and dietary intake. <i>Marine Pollution Bulletin</i> , 2019, 138, 84-92.	2.3	18

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91	Trace metals in the fluvial system of T�rminos lagoon, M�xico. Marine Pollution Bulletin, 1987, 18, 294-297.	2.3	17
92	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
93	Arsenic and Arsenic Species in Cultured Oyster (<i>Crassostrea gigas</i> and <i>C. corteziensis</i>) from Coastal Lagoons of the SE Gulf of California, Mexico. Biological Trace Element Research, 2013, 151, 43-49.	1.9	17
94	Mass balances of nitrogen and phosphorus in an integrated culture of shrimp (<i>Litopenaeus vannamei</i>) and tomato (<i>Lycopersicon esculentum</i> Mill) with low salinity groundwater: A short communication. Aquacultural Engineering, 2014, 58, 107-112.	1.4	17
95	²¹⁰ Po, Cd and Pb distribution and biomagnification in the yellowfin tuna <i>Thunnus albacares</i> and skipjack tuna <i>Katsuwonus pelamis</i> from the Eastern Pacific. Marine Pollution Bulletin, 2014, 87, 98-103.	2.3	17
96	Trace metal concentrations in mangrove oyster (<i>Crassostrea corteziensis</i>) from tropical lagoon environments, Mexico. Marine Pollution Bulletin, 1990, 21, 486-488.	2.3	16
97	Barnacles as Biomonitors of Heavy Metal Pollution in the Coastal Waters of Mazatl�n Harbor (Mexico). Bulletin of Environmental Contamination and Toxicology, 1998, 61, 608-615.	1.3	16
98	Distribution of Cd, Cu, Fe, Mn, Pb and Zn in selected tissues of juvenile whales stranded in the SE Gulf of California (Mexico). Environment International, 2002, 28, 325-329.	4.8	16
99	Heavy Metals in Waters and Suspended Sediments Affected by a Mine Tailing Spill in the Upper San Lorenzo River, Northwestern M�xico. Bulletin of Environmental Contamination and Toxicology, 2015, 94, 583-588.	1.3	16
100	Assessment of environmental loads of Cu and Zn from intensive inland shrimp aquaculture. Environmental Monitoring and Assessment, 2017, 189, 69.	1.3	16
101	Trace metals in mussels from the Ensenada del Pabell�n Lagoon, Mexico. Marine Pollution Bulletin, 1994, 28, 124-126.	2.3	15
102	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
103	Cadmium, mercury, and selenium in muscle of the scalloped hammerhead <i>Sphyrna lewini</i> from the tropical Eastern Pacific: Variation with age, molar ratios and human health risk. Chemosphere, 2020, 242, 125180.	4.2	15
104	Heavy metals in oysters from a subtropical coastal lagoon associated with an agricultural drainage basin. Bulletin of Environmental Contamination and Toxicology, 1993, 50, 696-702.	1.3	14
105	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
106	Mercury and selenium in the filter-feeding whale shark (<i>Rhincodon typus</i>) from two areas of the Gulf of California, Mexico. Marine Pollution Bulletin, 2019, 146, 955-961.	2.3	14
107	Mercury (Hg) and selenium (Se) content in the shark <i>Mustelus henlei</i> (Triakidae) in the northern Mexican Pacific. Environmental Science and Pollution Research, 2020, 27, 16774-16783.	2.7	14
108	Trace metals in tropical coastal lagoon bivalves, <i>Mytella strigata</i> . Bulletin of Environmental Contamination and Toxicology, 1990, 45, 545-551.	1.3	13

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109	Trace Metals in Tissues of Resident and Migratory Birds from a Lagoon Associated with an Agricultural Drainage Basin (SE Gulf of California). <i>Archives of Environmental Contamination and Toxicology</i> , 2004, 47, 117-25.	2.1	13
110	Mercury Distribution in Selected Tissues of Migratory and Resident Avifauna from Altata-Ensenada del Pabellón Lagoon, Southeast Gulf of California. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2007, 78, 39-43.	1.3	13
111	Mercury transfer in a subtropical coastal lagoon food web (SE Gulf of California) under two contrasting climatic conditions. <i>Environmental Toxicology</i> , 2012, 27, 526-536.	2.1	13
112	Bioaccumulation of mercury and selenium in tissues of the mesopelagic fish Pacific hake (<i>Merluccius</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Chemosphere, 2020, 255, 126941.	4.2	13
113	Cadmium and lead concentrations in hepatic and muscle tissue of demersal fish from three lagoon systems (SE Gulf of California). <i>Environmental Science and Pollution Research</i> , 2017, 24, 12927-12937.	2.7	12
114	Distribution of Mercury in Muscle, Liver and Kidney of the Spinner Dolphin (<i>Stenella longirostris</i>) Stranded in the Southern Gulf of California. <i>Marine Pollution Bulletin</i> , 2000, 40, 1063-1066.	2.3	11
115	Heavy Metals in Sediments and Lobster (<i>Panulirus gracilis</i>) from the Discharge Area of the Submarine Sewage Outfall in Mazatlán Bay (SE Gulf of California). <i>Archives of Environmental Contamination and Toxicology</i> , 2004, 46, 485-91.	2.1	11
116	Trophic Transfer and Dietary Mineral Intake of Essential Elements in <i>Thunnus albacares</i> and <i>Katsuwonus pelamis</i> from the Eastern Pacific. <i>Biological Trace Element Research</i> , 2011, 143, 231-239.	1.9	11
117	Mercury in sediment cores from the southern Gulf of Mexico: Preindustrial levels and temporal enrichment trends. <i>Marine Pollution Bulletin</i> , 2019, 149, 110498.	2.3	11
118	Co-culture of shrimp with commercially important plants: a review. <i>Reviews in Aquaculture</i> , 2020, 12, 2411-2428.	4.6	11
119	Microplastic contamination in wild shrimp <i>Litopenaeus vannamei</i> from the Huizache-Caimanero Coastal lagoon, SE Gulf of California. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022, 109, 425-430.	1.3	11
120	Lead in clams and fish of dietary importance from Coatzacoalcos estuary (Gulf of Mexico), an industrialized tropical region. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2007, 79, 508-513.	1.3	10
121	Total and Organic Mercury in Ten Fish Species for Human Consumption from the Mexican Pacific. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011, 86, 679-683.	1.3	10
122	Biomonitoring of arsenic through mangrove oyster (<i>Crassostrea corteziensis</i> Hertlein, 1951) from coastal lagoons (SE Gulf of California): occurrence of arsenobetaine and other arseno-compounds. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 7459-7468.	1.3	10
123	Assessment of the tidal currents and pollutants dynamics associated with shrimp aquaculture effluents in SAMARE coastal lagoon (NW Mexico). <i>Aquaculture Research</i> , 2014, 45, 1269-1282.	0.9	10
124	Histological alterations in gills of shrimp <i>Litopenaeus vannamei</i> in low-salinity waters under different stocking densities: Potential relationship with nitrogen compounds. <i>Aquaculture Research</i> , 2017, 48, 5854-5863.	0.9	10
125	Physiological changes in the hemolymph of juvenile shrimp <i>Litopenaeus vannamei</i> to sublethal nitrite and nitrate stress in low-salinity waters. <i>Environmental Toxicology and Pharmacology</i> , 2020, 80, 103472.	2.0	10
126	Production and management of shrimp (<i>Penaeus vannamei</i>) in co culture with basil (<i>Ocimum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 46, 63-71.	0.2	10

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127	Potential Bioavailability of Heavy Metals in Surface Sediments from the Altata-Ensenada del Pabellón Lagoon, SE Gulf of California. <i>Journal of Coastal Research</i> , 2004, 204, 1126-1134.	0.1	9
128	Biological responses of a simulated marine food chain to lead addition. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1611-1617.	2.2	9
129	Macroalgal blooms in coastal lagoons of the Gulf of California eco-region: a summary of current knowledge. <i>Botanica Marina</i> , 2012, 55, .	0.6	9
130	Effect of Nitrogen Compounds on Shrimp <i>Litopenaeus vannamei</i> : Histological Alterations of the Antennal Gland. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018, 100, 772-777.	1.3	9
131	Trace Elements in Tissues of Whale Sharks (<i>Rhincodon typus</i>) Stranded in the Gulf of California, Mexico. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019, 103, 515-520.	1.3	9
132	Mercury, selenium, and stable carbon and nitrogen isotopes in the striped marlin <i>Kajikia audax</i> and blue marlin <i>Makaira nigricans</i> food web from the Gulf of California. <i>Marine Pollution Bulletin</i> , 2021, 170, 112657.	2.3	9
133	Water quality, water usage, nutrient use efficiency and growth of shrimp <i>Litopenaeus vannamei</i> in an integrated aquaponic system with basil <i>Ocimum basilicum</i> . <i>Aquaculture</i> , 2021, 543, 737023.	1.7	9
134	Mercury in the Atmospheric and Coastal Environments of Mexico. <i>Reviews of Environmental Contamination and Toxicology</i> , 2013, 226, 65-99.	0.7	9
135	The loading history of trace metals and nutrients in Altata-Ensenada del Pabellón, lagoon complex, northwestern Mexico. <i>Journal of Environmental Radioactivity</i> , 2003, 69, 129-143.	0.9	8
136	Distribution and Concentration of Trace Metals in Tissues of Three Penaeid Shrimp Species from Altata-Ensenada del Pabellón Lagoon (S.E. Gulf of California). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2004, 72, 452-459.	1.3	8
137	Cadmium, Copper, Lead and Zinc in Cultured Oysters Under two Contrasting Climatic Conditions in Coastal Lagoons from SE Gulf of California, Mexico. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011, 87, 272-275.	1.3	8
138	WATER QUALITY IN AN INTEGRATED CULTURE OF WHITE SHRIMP (<i>Litopenaeus vannamei</i>)-TOMATO (<i>Lycopersicon esculentum</i>) USING LOW SALINITY GROUNDWATER IN SONORA, MEXICO. <i>Experimental Agriculture</i> , 2014, 50, 306-319.	0.4	8
139	Quality of lettuce <i>Lactuca sativa</i> (var. Tropicana M1) grown with two low-salinity shrimp effluents. <i>Food Chemistry</i> : X, 2019, 2, 100027.	1.8	8
140	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. <i>Journal of Geochemical Exploration</i> , 2010, 104, 87-96.	1.5	7
141	Bed load transport of sediments and morphodynamics in the Topolobampo coastal lagoon system, Mexico. <i>Journal of Coastal Conservation</i> , 2014, 18, 55-67.	0.7	7
142	The Use of Blood in <i>Anas clypeata</i> as an Efficient and Non-lethal Method for the Biomonitoring of Mercury. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2013, 91, 42-48.	1.3	6
143	Mineralogical signatures and sources of recent sediment in a large tropical lake. <i>International Journal of Sediment Research</i> , 2018, 33, 183-190.	1.8	6
144	Evidence for Interrupted Biomagnification of Cadmium in Billfish Food Chain Based on Stable Carbon and Nitrogen Isotopes from Southwestern of Gulf of California. <i>Biological Trace Element Research</i> , 2020, 195, 215-225.	1.9	6

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145	Assessment of nutrient contamination in the waters of the El Fuerte River, southern Gulf of California, Mexico. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 417.	1.3	6
146	Arsenic in the top predators sailfish (<i>Istiophorus platypterus</i>) and dolphinfish (<i>Coryphaena hippurus</i>) off the southeastern Gulf of California. <i>Environmental Geochemistry and Health</i> , 2021, 43, 3441-3455.	1.8	6
147	Histological effects of Cu ²⁺ to white shrimp <i>Litopenaeus vannamei</i> (Crustacea: Decapoda) juveniles at low salinities. <i>Revista De Biología Marina Y Oceanografía</i> , 2010, 45, .	0.1	6
148	Distribution of Cadmium, Copper, Iron, Manganese, Lead, and Zinc in Spinner Dolphins <i>Stenella longirostris</i> Stranded in La Paz Lagoon, Southwest Gulf of California. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2002, 69, 408-414.	1.3	5
149	Acute mercury toxicity and bioconcentration in shrimp <i>Litopenaeus vannamei</i> juveniles: Effect of low salinity and chemical speciation. <i>Science of the Total Environment</i> , 2021, 758, 144025.	3.9	5
150	Arsenic in Tissues and Prey Species of the Scalloped Hammerhead (<i>Sphyrna lewini</i>) from the SE Gulf of California. <i>Archives of Environmental Contamination and Toxicology</i> , 2021, 80, 624-633.	2.1	5
151	Mercury and selenium biomagnification in a coastal food web from the Gulf of California influenced by agriculture and shrimp aquaculture. <i>Environmental Science and Pollution Research</i> , 2021, 28, 56175-56187.	2.7	5
152	Seasonal and Spatial Variation of Carbon and Nitrogen Stable Isotopes in Mangrove Oysters (<i>Crassostrea corteziensis</i>) from the Northwest Coast of Mexico. <i>Journal of Shellfish Research</i> , 2014, 33, 425-432.	0.3	4
153	Sediment dynamics in a complex coastal lagoon system of the Gulf of California. <i>Journal of Coastal Conservation</i> , 2015, 19, 295-306.	0.7	4
154	Monitoring of inland waters for culturing shrimp <i>Litopenaeus vannamei</i> : application of a method based on survival and chemical composition. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 395.	1.3	4
155	Alternatives for reducing the environmental impact of an ammonia production plant adjacent to a coastal lagoon in the southeastern Gulf of California. <i>Journal of Cleaner Production</i> , 2018, 200, 960-970.	4.6	4
156	Concentrations of Silver, Chrome, Manganese and Nickel in Two Stranded Whale Sharks (<i>Rhincodon</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 107, 827-832.	1.3	4
157	An Economic Analysis of the Environmental Impact of PM _{2.5} Exposure on Health Status in Three Northwestern Mexican Cities. <i>Sustainability</i> , 2021, 13, 10782.	1.6	4
158	Environmental variability at a marine cage culture operation in the Matanchón Bay, SE Gulf of California, Mexico. <i>Revista De Biología Marina Y Oceanografía</i> , 2018, 53, 223.	0.1	4
159	Heavy metals and clay minerals in surface sediments from the Mazatlan Bay, Mexican subtropical Pacific coast. <i>International Journal of Environment and Pollution</i> , 2006, 26, 201.	0.2	3
160	Differential Tissue Accumulation of Copper, Iron, and Zinc in Bycatch Fish from the Mexican Pacific. <i>Biological Trace Element Research</i> , 2017, 176, 201-206.	1.9	3
161	Comparison of four treatments to evaluate acute toxicity of nitrite in shrimp <i>Litopenaeus vannamei</i> postlarvae: Influence of feeding and the renewal water. <i>Aquaculture</i> , 2018, 491, 375-380.	1.7	3
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163	Trophic Relationships within a Subtropical Estuarine Food Web from the Southeast Gulf of California through Analysis of Stable Isotopes of Carbon and Nitrogen. <i>Estuaries of the World</i> , 2014, , 69-79.	0.1	3
164	Distribution and health risk assessment of Cd and Pb in two marine fishes (<i>Haemulopsis axillaris</i> and <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>) 26, 17450-17456.	2.7	2
165	Effect of low salinity on acute arsenic toxicity and bioconcentration in shrimp <i>Litopenaeus vannamei</i> juveniles. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 218, 1-7.	1.3	2
166	Finger-like plumes of suspended sediment in the Colorado River Delta, Gulf of California. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 245, 106996.	0.9	2
167	The spotted ratfish <i>Hydrolagus coliei</i> as a potential biomonitor of mercury and selenium from deep-waters of the northern Gulf of California. <i>Marine Pollution Bulletin</i> , 2021, 164, 112102.	2.3	2
168	Copper, zinc, cadmium and lead inputs and outputs in the maternity section of a commercial shrimp hatchery. <i>Latin American Journal of Aquatic Research</i> , 2017, 44, 595-601.	0.2	2
169	A Global Review of Cadmium, Mercury, and Selenium in Sharks: Geographical Patterns, Baseline Levels and Human Health Implications. <i>Reviews of Environmental Contamination and Toxicology</i> , 2022, 260, 1.	0.7	2
170	Synergistic effect of chloroquine and copper to the euryhaline rotifer <i>Proales similis</i> . <i>Ecotoxicology</i> , 2022, 31, 1035-1043.	1.1	2
171	Sediment dynamics in altata ensenada del pabellón, a coastal lagoon located in the Gulf of California. <i>Journal of Coastal Conservation</i> , 2018, 22, 709-720.	0.7	1
172	Variation of essential and non-essential trace elements in whale shark epidermis associated to two different feeding areas of the Gulf of California. <i>Environmental Science and Pollution Research</i> , 2021, 28, 36803-36816.	2.7	1
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174	ARSENIC CONTENT, GRAIN SIZES AND CHEMICAL CHARACTERISTICS IN SURFACE SEDIMENTS OF THE URÁAS LAGOON, NW MEXICO. <i>Revista Internacional De Contaminacion Ambiental</i> , 2019, 35, 771-779.	0.1	1
175	Tissue dynamics of potential toxic elements in the Pacific hake (<i>Merluccius productus</i>): distribution and the public health risk assessment. <i>Environmental Science and Pollution Research</i> , 2022, 29, 77945-77957.	2.7	1
176	How much and where do Mexican scientists publish their research in environmental science?. <i>Environmental Pollution</i> , 2009, 157, 1764-1766.	3.7	0
177	Copper in Cultured Shrimp <i>Litopenaeus vannamei</i> and Its Reduction in Hepatopancreas After Exposure to Sublethal Nitrite Levels. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 104, 78-83.	1.3	0
178	Numerical Investigation of Sea-Bottom Morphological Changes by the Interaction of Tidal Flow and Idealized Coastal Geometries. <i>Journal of Coastal Research</i> , 2020, 36, 981.	0.1	0
179	Bioaccumulation of Essential and Potentially Toxic Elements in the Muscle and Liver of the Spotted Ratfish (<i>Hydrolagus coliei</i>) From Deep-Sea Waters off the Northern Gulf of California. <i>Biological Trace Element Research</i> , 0, , .	1.9	0