

# Lia Mendez-Rodriguez

## List of Publications by Year in descending order

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78  
papers

1,285  
citations

394286

19  
h-index

414303

32  
g-index

83  
all docs

83  
docs citations

83  
times ranked

1498  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distribution, Enrichment and Accumulation of Heavy Metals in Coastal Sediments of Salina Cruz Bay, MÃ©xico. Environmental Monitoring and Assessment, 2006, 118, 211-230.	1.3	139
2	Heavy Metal Accumulation in Four Species of Sea Turtles from the Baja California Peninsula, Mexico. BioMetals, 2006, 19, 91-99.	1.8	101
3	Total and methylmercury in three species of sea turtles of Baja California Sur. Marine Pollution Bulletin, 2006, 52, 1816-1823.	2.3	55
4	Trace elements and oxidative stress indicators in the liver and kidney of the blue shark (Prionace) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 2013, 165, 483-490.	0.8	51
5	Species composition and chemical characterization of Sargassum influx at six different locations along the Mexican Caribbean coast. Science of the Total Environment, 2021, 795, 148852.	3.9	47
6	Oxidative stress indicators and chemical contaminants in East Pacific green turtles (Chelonia mydas) inhabiting two foraging coastal lagoons in the Baja California peninsula. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2011, 154, 65-75.	1.3	45
7	Oxidative stress indicators and trace elements in the blue shark (Prionace glauca) off the east coast of the Mexican Pacific Ocean. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2012, 156, 59-66.	1.3	39
8	Health Indices of the Green Turtle (Chelonia mydas) Along the Pacific Coast of Baja California Sur, Mexico. II. Body Condition Index. Chelonian Conservation and Biology, 2010, 9, 173-183.	0.1	38
9	Oxidative stress indicators and trace element concentrations in tissues of mako shark (Isurus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2013, 165, 508-514.	0.8	32
10	Arsenic content in groundwater from the southern part of the San Antonio-El Triunfo mining district, Baja California Sur, Mexico. Journal of Hydrology, 2014, 518, 447-459.	2.3	31
11	Trace metals in tissues of gray whale (Eschrichtius robustus) carcasses from the Northern Pacific Mexican Coast. Marine Pollution Bulletin, 2002, 44, 217-221.	2.3	30
12	Health Indices of the Green Turtle (Chelonia mydas) Along the Pacific Coast of Baja California Sur, Mexico. I. Blood Biochemistry Values. Chelonian Conservation and Biology, 2010, 9, 162-172.	0.1	30
13	Trace Metal Distribution Along the Southern Coast of Bahia de La Paz (Gulf of California), MÃ©xico. Bulletin of Environmental Contamination and Toxicology, 1998, 61, 616-622.	1.3	29
14	Heavy Metal Levels in Marine Mollusks from Areas With, or Without, Mining Activities Along the Gulf of California, Mexico. Archives of Environmental Contamination and Toxicology, 2009, 57, 96-102.	2.1	29
15	Copper and Cadmium Biosorption by Dried Seaweed Sargassum sinicola in Saline Wastewater. Water, Air, and Soil Pollution, 2010, 210, 197-202.	1.1	28
16	Changes in fatty acids, sterols, pigments, lipid classes, and heavy metals of cooked or dried meals, compared to fresh marine by-products. Animal Feed Science and Technology, 2016, 221, 195-205.	1.1	28
17	Micronutrient content and antioxidant enzyme activities in human breast milk. Journal of Trace Elements in Medicine and Biology, 2019, 51, 36-41.	1.5	25
18	Heavy Metals in the Clam Megapitaria squalida Collected from Wild and Phosphorite Mine-Impacted Sites in Baja California, Mexico: Considerations for Human Health Effects. Biological Trace Element Research, 2006, 110, 275-288.	1.9	24

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19	Cadmium, Lead, Copper, Zinc, and Iron Concentration Patterns in Three Marine Fish Species from Two Different Mining Sites inside the Gulf of California, Mexico. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 844.	1.2	24
20	Trace elements in pelagic <i>Sargassum</i> species in the Mexican Caribbean: Identification of key variables affecting arsenic accumulation in <i>S. fluitans</i> . <i>Science of the Total Environment</i> , 2022, 806, 150657.	3.9	21
21	Analysis of mammal remains from owl pellets ( <i>Tyto alba</i> ), in a suburban area in Baja California. <i>Journal of Arid Environments</i> , 2004, 59, 59-69.	1.2	20
22	Antioxidant Enzymes and Heavy Metal Levels in Tissues of the Black Chocolate Clam <i>Megapitaria squalida</i> in Bah��a de La Paz, Mexico. <i>Archives of Environmental Contamination and Toxicology</i> , 2009, 56, 60-66.	2.1	20
23	Effects of Sewage Discharge on Trophic State and Water Quality in a Coastal Ecosystem of the Gulf of California. <i>Scientific World Journal</i> , The, 2014, 2014, 1-7.	0.8	20
24	Interaction between mercury (Hg), arsenic (As) and selenium (Se) affects the activity of glutathione S-transferase in breast milk; possible relationship with fish and shellfish intake. <i>Nutricion Hospitalaria</i> , 2014, 30, 436-46.	0.2	18
25	Effect of stocking densities on trace metal concentration in three tissues of the brown shrimp <i>Penaeus californiensis</i> . <i>Aquaculture</i> , 1997, 156, 21-34.	1.7	17
26	Antioxidant and trace element content of damiana ( <i>Turnera diffusa</i> Willd) under wild and cultivated conditions in semi-arid zones. <i>Industrial Crops and Products</i> , 2012, 37, 321-327.	2.5	17
27	Scallop growout using a new bottom-culture system. <i>Aquaculture</i> , 2000, 189, 73-84.	1.7	16
28	Heavy Metals in Clams from Guaymas Bay, Mexico. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2002, 68, 217-223.	1.3	16
29	Applying generalized linear models as an explanatory tool of sex steroids, thyroid hormones and their relationships with environmental and physiologic factors in immature East Pacific green sea turtles ( <i>Chelonia mydas</i> ). <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2013, 166, 91-100.	0.8	15
30	Biosorption Capacity for Cadmium of Brown Seaweed <i>Sargassum sinicola</i> and <i>Sargassum lapazeanum</i> in the Gulf of California. <i>Water, Air, and Soil Pollution</i> , 2011, 221, 137-144.	1.1	14
31	CALIDAD DE SEDIMENTOS ASOCIADA A ACTIVIDADES ANTR��PICAS EN LAGUNAS COSTERAS SEMI��RIDAS SUBTROPICALES DE LA COSTA CENTRAL ESTE DEL GOLFO DE CALIFORNIA. <i>Revista Internacional De Contaminacion Ambiental</i> , 2017, 33, 7-22.	0.1	14
32	Metal mobility and bioaccumulation differences at lower trophic levels in marine ecosystems dominated by <i>Sargassum</i> species. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2014, 94, 435-442.	0.4	13
33	Comparative Analysis of Heavy Metals in Two Species of Ichthyophagous Bats <i>Myotis vivesi</i> and <i>Noctilio leporinus</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2000, 65, 51-54.	1.3	12
34	Assessment of Trace Metals in Soil, Vegetation and Rodents in Relation to Metal Mining Activities in an Arid Environment. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 97, 44-49.	1.3	12
35	Concentrations of trace elements in sea urchins and macroalgae commonly present in <i>Sargassum</i> beds: implications for trophic transfer. <i>Ecological Research</i> , 2016, 31, 785-798.	0.7	12
36	Purine metabolism in response to hypoxic conditions associated with breath-hold diving and exercise in erythrocytes and plasma from bottlenose dolphins ( <i>Tursiops truncatus</i> ). <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2016, 191, 196-201.	0.8	12

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37	Oxidative damage to proteins related to metals and antioxidant defenses in breastmilk. <i>Nutricion Hospitalaria</i> , 2017, 34, 59.	0.2	12
38	Assessment of eutrophication in a subtropical lagoon in the Gulf of California. <i>Aquatic Ecosystem Health and Management</i> , 2016, 19, 382-392.	0.3	11
39	Environmental Assessment of Aromatic Hydrocarbons-Contaminated Sediments of the Mexican Salina Cruz Bay. <i>Environmental Monitoring and Assessment</i> , 2007, 133, 187-207.	1.3	10
40	Spatio-temporal distribution and abundance patterns of red crab <i>Pleuroncodes planipes</i> related to ocean temperature from the Pacific coast of the Baja California Peninsula. <i>Fisheries Science</i> , 2016, 82, 1-15.	0.7	10
41	Assessment of Metallothioneins in Tissues of the Clam <i>Megapitaria squalida</i> as Biomarkers for Environmental Cadmium Pollution From Areas Enriched in Phosphorite. <i>Archives of Environmental Contamination and Toxicology</i> , 2010, 59, 255-263.	2.1	9
42	Analysis of hydrobiological responses to anthropogenic and natural influences in a lagoon system in the Gulf of California. <i>Oceanological and Hydrobiological Studies</i> , 2016, 45, 112-120.	0.3	9
43	Detecting Eutrophication Symptoms in a Subtropical Semi-Arid Coastal Lagoon by Means of Three Different Methods. <i>Wetlands</i> , 2017, 37, 1105-1118.	0.7	9
44	Marine diet and tobacco exposure affects mercury concentrations in pregnant women (I) from Baja California Sur, Mexico. <i>Toxicology Reports</i> , 2014, 1, 1123-1132.	1.6	8
45	Vitamins C and E concentrations in muscle of elasmobranch and teleost fishes. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2014, 170, 26-30.	0.8	7
46	Estuaries and Coastal Lagoons of Mexico: Challenges for Science, Management, and Conservation. , 2018, , 251-283.		7
47	Antioxidant responses of damiana ( <i>Turnera diffusa</i> Willd) to exposure to artificial ultraviolet (UV) radiation in an in vitro model; part I; UV-C radiation. <i>Nutricion Hospitalaria</i> , 2014, 29, 1109-15.	0.2	7
48	Mineral Concentrations in Muscle and Hepatopancreas of Newly Caught Wild and Hatchery-Exhausted Spawners of Pacific White Shrimp, <i>Penaeus vannamei</i> . <i>Journal of Applied Aquaculture</i> , 1999, 8, 17-26.	0.7	5
49	Development in the Sea of Cortez Calls for Mitigation. <i>BioScience</i> , 2006, 56, 825.	2.2	5
50	Relationship between self-reported fish and shellfish consumption, carbon and nitrogen stable isotope values and total mercury concentrations in pregnant women (II) from Baja California Sur, Mexico. <i>Toxicology Reports</i> , 2014, 1, 1115-1122.	1.6	5
51	Differences in arsenic, molybdenum, barium, and other physicochemical relationships in groundwater between sites with and without mining activities. <i>Natural Science</i> , 2013, 05, 238-243.	0.2	5
52	Assessment of benthic changes during 20 years of monitoring the Mexican Salina Cruz Bay. <i>Environmental Monitoring and Assessment</i> , 2009, 149, 113-132.	1.3	4
53	Invasive migration of a mainland rodent to Santa Catalina Island and its effect on the endemic species <i>Peromyscus slevini</i> . <i>Biological Invasions</i> , 2010, 12, 437-439.	1.2	4
54	Evaluation of toxicity of polluted marine sediments from Bahía Salina Cruz, Mexico. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 121-127.	0.9	4

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55	Temporal variation in oxidative stress indicators in liver of totoaba ( <i>Totoaba macdonaldi</i> ) Perciformes: Sciaenidae. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2018, 98, 833-844.	0.4	4
56	Arsenic Concentration in the Surface Water of a Former Mining Area: The La Junta Creek, Baja California Sur, Mexico. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 437.	1.2	4
57	Using carbon and nitrogen stable isotope modelling to assess dietary mercury exposure for pregnant women in Baja California Sur, Mexico. <i>Chemosphere</i> , 2019, 234, 702-714.	4.2	4
58	Antioxidant responses of damiana ( <i>Turnera diffusa</i> Willd) to exposure to artificial ultraviolet (UV) radiation in an in vitro model; part ii; UV-B radiation. <i>Nutricion Hospitalaria</i> , 2014, 29, 1116-22.	0.2	4
59	Effect of sediment on growth and survival of post-larval <i>Litopenaeus stylirostris</i> (Boone, 1931). <i>Aquaculture Research</i> , 2004, 35, 652-658.	0.9	3
60	Interaction between Selenium (Se) and Mercury (Hg) Affects the Activity of Glutathione S-Transferase in Breast Milk; Possible Relationship with Fish and Shellfish Intake. <i>Free Radical Biology and Medicine</i> , 2013, 65, S112.	1.3	3
61	Predation on turtle nests in the southwestern coast of the Baja California Peninsula. <i>Revista Mexicana De Biodiversidad</i> , 2016, 87, 483-488.	0.4	3
62	Diet and trophic position of three common rocky reef fish at two locations in the Gulf of California. <i>Regional Studies in Marine Science</i> , 2021, 47, 101964.	0.4	3
63	Purine nucleoside phosphorylase and the enzymatic antioxidant defense system in breast milk from women with different levels of arsenic exposure. <i>Nutricion Hospitalaria</i> , 2015, 31, 2289-96.	0.2	3
64	Anomalous Levels of Heavy Metals in Sediments from Guaymas Bay, Mexico. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2004, 72, 1101-6.	1.3	2
65	Efficiency of copper removal by <i>Sargassum sinicola</i> in batch and continuous systems. <i>Journal of Applied Phycology</i> , 2013, 25, 1933-1937.	1.5	2
66	Persistent organic pollutants (POPs) in populations of the clam <i>Chione californiensis</i> in coastal lagoons of the Gulf of California. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2016, 51, 435-445.	0.7	2
67	Macroalgae from two coastal lagoons of the Gulf of California as indicators of heavy metal contamination by anthropogenic activities. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2021, 101, 1089-1101.	0.4	2
68	<i>Oryzomys nelsoni</i> . <i>Mammalian Species</i> , 2003, 735, 1.	0.4	1
69	Temporal variability of enterococci and associated sources at three subtropical recreational beaches. <i>Oceanological and Hydrobiological Studies</i> , 2018, 47, 327-336.	0.3	1
70	Antioxidant response to cadmium exposure in primary skeletal muscle cells isolated from humans and elephant seals. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020, 227, 108641.	1.3	1
71	Influence of trace elements in the epigenetic of mammals. <i>Therya</i> , 2014, 5, 817-829.	0.2	1
72	Distinguishing the Hydrochemistry of Two Hydrological Basins in Northern Mexico Using Factor Analysis. <i>Water Quality Research Journal of Canada</i> , 2008, 43, 111-119.	1.2	1

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73	Differences in metal content in liver of Heteromyids from deposits with and without previous mining operations. <i>Therya</i> , 2019, 10, 235-242.	0.2	1
74	Macroalgae contribution to the diet of two sea urchins in Sargassum Beds: <i>Tripneustes depressus</i> (Camarodonta: Toxopneustidae) and <i>Eucidaris thouarsii</i> (Cidaroida: Cidaridae). <i>Regional Studies in Marine Science</i> , 2022, , 102456.	0.4	1
75	Nutritional content of <i>Totoaba macdonaldi</i> (Gilbert, 1890), Antioxidants and lipid peroxidation in muscle. <i>PeerJ</i> , 2021, 9, e11129.	0.9	0
76	Influence of sex and maturity state on trace elements content in liver and muscle of the <i>Sciaenidae</i> <i>Totoaba macdonaldi</i> . <i>PeerJ</i> , 2021, 9, e11068.	0.9	0
77	Transmission of the Ebola virus in the wild. <i>Therya</i> , 2015, 6, 515-518.	0.2	0
78	Reproductive Biology of the Red Crab <i>Pleuroncodes planipes</i> (Anomuran, Galatheid) on the West Coast of the Baja California Peninsula, Mexico. <i>Journal of Shellfish Research</i> , 2018, 37, 1093.	0.3	0