

# Manuel L Zumbado

## List of Publications by Year in descending order

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Version: 2024-02-01

103  
papers

2,937  
citations

147566

31  
h-index

205818

48  
g-index

104  
all docs

104  
docs citations

104  
times ranked

3287  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inadvertent exposure to organochlorine pesticides DDT and derivatives in people from the Canary Islands (Spain). <i>Science of the Total Environment</i> , 2005, 339, 49-62.	3.9	128
2	Ciguatera Fish Poisoning, Canary Islands. <i>Emerging Infectious Diseases</i> , 2005, 11, 1981-1982.	2.0	118
3	Ciguatera fish poisoning on the West Africa Coast: An emerging risk in the Canary Islands (Spain). <i>Toxicol</i> , 2010, 56, 1516-1519.	0.8	95
4	Monitoring organic and inorganic pollutants in juvenile live sea turtles: Results from a study of <i>Chelonia mydas</i> and <i>Eretmochelys imbricata</i> in Cape Verde. <i>Science of the Total Environment</i> , 2014, 481, 303-310.	3.9	86
5	Potential adverse health effects of persistent organic pollutants on sea turtles: Evidences from a cross-sectional study on Cape Verde loggerhead sea turtles. <i>Science of the Total Environment</i> , 2013, 458-460, 283-289.	3.9	84
6	Body burden of toxic metals and rare earth elements in non-smokers, cigarette smokers and electronic cigarette users. <i>Environmental Research</i> , 2018, 166, 269-275.	3.7	83
7	Continued implication of the banned pesticides carbofuran and aldicarb in the poisoning of domestic and wild animals of the Canary Islands (Spain). <i>Science of the Total Environment</i> , 2015, 505, 1093-1099.	3.9	82
8	Multi-residue method for the determination of 57 Persistent Organic Pollutants in human milk and colostrum using a QuEChERS-based extraction procedure. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 9523-9536.	1.9	77
9	Assessment of the exposure to organochlorine pesticides, PCBs and PAHs in six species of predatory birds of the Canary Islands, Spain. <i>Science of the Total Environment</i> , 2014, 472, 146-153.	3.9	71
10	Complex organochlorine pesticide mixtures as determinant factor for breast cancer risk: a population-based case-control study in the Canary Islands (Spain). <i>Environmental Health</i> , 2012, 11, 28.	1.7	66
11	Occurrence of 44 elements in human cord blood and their association with growth indicators in newborns. <i>Environment International</i> , 2018, 116, 43-51.	4.8	64
12	Blood levels of toxic metals and rare earth elements commonly found in e-waste may exert subtle effects on hemoglobin concentration in sub-Saharan immigrants. <i>Environment International</i> , 2017, 109, 20-28.	4.8	61
13	Evaluation of acute and chronic hepatotoxic effects exerted by anabolic-androgenic steroid stanozolol in adult male rats. <i>Archives of Toxicology</i> , 1999, 73, 465-472.	1.9	60
14	Assessment of anticoagulant rodenticide exposure in six raptor species from the Canary Islands (Spain). <i>Science of the Total Environment</i> , 2014, 485-486, 371-376.	3.9	60
15	Determinants of organochlorine levels detectable in the amniotic fluid of women from Tenerife Island (Canary Islands, Spain). <i>Environmental Research</i> , 2009, 109, 607-613.	3.7	59
16	Comparative study of polycyclic aromatic hydrocarbons (PAHs) in plasma of Eastern Atlantic juvenile and adult nesting loggerhead sea turtles ( <i>Caretta caretta</i> ). <i>Marine Pollution Bulletin</i> , 2012, 64, 1974-1980.	2.3	59
17	Exposure to polycyclic aromatic hydrocarbons (PAHs) and bladder cancer: evaluation from a gene-environment perspective in a hospital-based case-control study in the Canary Islands (Spain). <i>International Journal of Occupational and Environmental Health</i> , 2015, 21, 23-30.	1.2	51
18	Influence of the method of production of eggs on the daily intake of polycyclic aromatic hydrocarbons and organochlorine contaminants: An independent study in the Canary Islands (Spain). <i>Food and Chemical Toxicology</i> , 2013, 60, 455-462.	1.8	49

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19	Assessment of human health hazards associated with the dietary exposure to organic and inorganic contaminants through the consumption of fishery products in Spain. <i>Science of the Total Environment</i> , 2016, 557-558, 808-818.	3.9	49
20	Plasma levels of pollutants are much higher in loggerhead turtle populations from the Adriatic Sea than in those from open waters (Eastern Atlantic Ocean). <i>Science of the Total Environment</i> , 2015, 523, 161-169.	3.9	46
21	Background levels of polychlorinated biphenyls in the population of the Canary Islands (Spain). <i>Environmental Research</i> , 2011, 111, 10-16.	3.7	44
22	Blood pressure in relation to contamination by polychlorobiphenyls and organochlorine pesticides: Results from a population-based study in the Canary Islands (Spain). <i>Environmental Research</i> , 2014, 135, 48-54.	3.7	44
23	Consumption of foods of animal origin as determinant of contamination by organochlorine pesticides and polychlorobiphenyls: Results from a population-based study in Spain. <i>Chemosphere</i> , 2014, 114, 121-128.	4.2	44
24	Differential effects exerted on human mammary epithelial cells by environmentally relevant organochlorine pesticides either individually or in combination. <i>Chemico-Biological Interactions</i> , 2009, 180, 485-491.	1.7	39
25	Levels of organochlorine contaminants in organic and conventional cheeses and their impact on the health of consumers: An independent study in the Canary Islands (Spain). <i>Food and Chemical Toxicology</i> , 2012, 50, 4325-4332.	1.8	38
26	Levels and profiles of POPs (organochlorine pesticides, PCBs, and PAHs) in free-ranging common bottlenose dolphins of the Canary Islands, Spain. <i>Science of the Total Environment</i> , 2014, 493, 22-31.	3.9	37
27	Methodology for the Identification of 117 Pesticides Commonly Involved in the Poisoning of Wildlife Using GC-MS-MS and LC-MS-MS. <i>Journal of Analytical Toxicology</i> , 2014, 38, 155-163.	1.7	36
28	Validated analytical methodology for the simultaneous determination of a wide range of pesticides in human blood using GC-MS/MS and LC-ESI/MS/MS and its application in two poisoning cases. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2015, 55, 307-315.	1.3	36
29	Comparative study of the intake of toxic persistent and semi persistent pollutants through the consumption of fish and seafood from two modes of production (wild-caught and farmed). <i>Science of the Total Environment</i> , 2017, 575, 919-931.	3.9	34
30	Serum levels of insulin-like growth factor-I in relation to organochlorine pesticides exposure. <i>Growth Hormone and IGF Research</i> , 2007, 17, 506-511.	0.5	33
31	Association between prenatal exposure to multiple persistent organic pollutants (POPs) and growth indicators in newborns. <i>Environmental Research</i> , 2019, 171, 285-292.	3.7	33
32	The assessment of daily dietary intake reveals the existence of a different pattern of bioaccumulation of chlorinated pollutants between domestic dogs and cats. <i>Science of the Total Environment</i> , 2015, 530-531, 45-52.	3.9	32
33	Micro QuEChERS-based method for the simultaneous biomonitoring in whole blood of 360 toxicologically relevant pollutants for wildlife. <i>Science of the Total Environment</i> , 2020, 736, 139444.	3.9	32
34	Persistent organic pollutants and risk of diabetes and obesity on healthy adults: Results from a cross-sectional study in Spain. <i>Science of the Total Environment</i> , 2017, 607-608, 1096-1102.	3.9	31
35	Comparative analysis of selected semi-persistent and emerging pollutants in wild-caught fish and aquaculture associated fish using Bogue ( <i>Boops boops</i> ) as sentinel species. <i>Science of the Total Environment</i> , 2017, 581-582, 199-208.	3.9	30
36	Determinants of increasing serum POPs in a population at high risk for cardiovascular disease. Results from the PREDIMED-CANARIAS study. <i>Environmental Research</i> , 2017, 156, 477-484.	3.7	30

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37	Differential exposure to 33 toxic elements through cigarette smoking, based on the type of tobacco and rolling paper used. <i>Environmental Research</i> , 2019, 169, 368-376.	3.7	30
38	Socioeconomic development as a determinant of the levels of organochlorine pesticides and PCBs in the inhabitants of Western and Central African countries. <i>Science of the Total Environment</i> , 2014, 497-498, 97-105.	3.9	29
39	Mercury and selenium status of bottlenose dolphins ( <i>Tursiops truncatus</i> ): A study in stranded animals on the Canary Islands. <i>Science of the Total Environment</i> , 2015, 536, 489-498.	3.9	28
40	Risk assessment of the exposure to mycotoxins in dogs and cats through the consumption of commercial dry food. <i>Science of the Total Environment</i> , 2020, 708, 134592.	3.9	28
41	Assessment of the levels of polycyclic aromatic hydrocarbons and organochlorine contaminants in bottlenose dolphins ( <i>Tursiops truncatus</i> ) from the Eastern Atlantic Ocean. <i>Marine Environmental Research</i> , 2014, 100, 48-56.	1.1	27
42	Simultaneous quantification of 49 elements associated to e-waste in human blood by ICP-MS for routine analysis. <i>MethodsX</i> , 2017, 4, 328-334.	0.7	27
43	Potential Role of Pet Cats As a Sentinel Species for Human Exposure to Flame Retardants. <i>Frontiers in Veterinary Science</i> , 2017, 4, 79.	0.9	27
44	Body burden of organohalogenated pollutants and polycyclic aromatic hydrocarbons in Romanian population: Influence of age, gender, body mass index, and habitat. <i>Science of the Total Environment</i> , 2019, 656, 709-716.	3.9	27
45	Influence of the rehabilitation of injured loggerhead turtles ( <i>Caretta caretta</i> ) on their blood levels of environmental organic pollutants and elements. <i>Science of the Total Environment</i> , 2014, 487, 436-442.	3.9	26
46	In vitro evaluation of oestrogenic/androgenic activity of the serum organochlorine pesticide mixtures previously described in a breast cancer case-control study. <i>Science of the Total Environment</i> , 2015, 537, 197-202.	3.9	26
47	Consumption of organic meat does not diminish the carcinogenic potential associated with the intake of persistent organic pollutants (POPs). <i>Environmental Science and Pollution Research</i> , 2017, 24, 4261-4273.	2.7	26
48	Insulin-like growth factor-I (IGF-I) serum concentrations in healthy children and adolescents: Relationship to level of contamination by DDT-derivative pesticides. <i>Growth Hormone and IGF Research</i> , 2010, 20, 63-67.	0.5	25
49	An estimation of the carcinogenic risk associated with the intake of multiple relevant carcinogens found in meat and charcuterie products. <i>Science of the Total Environment</i> , 2015, 514, 33-41.	3.9	25
50	Acid-Base and Plasma Biochemical Changes Using Crystalloid Fluids in Stranded Juvenile Loggerhead Sea Turtles ( <i>Caretta caretta</i> ). <i>PLoS ONE</i> , 2015, 10, e0132217.	1.1	23
51	Different pattern of contamination by legacy POPs in two populations from the same geographical area but with completely different lifestyles: Canary Islands (Spain) vs. Morocco. <i>Science of the Total Environment</i> , 2016, 541, 51-57.	3.9	22
52	Study of the influencing factors of the blood levels of toxic elements in Africans from 16 countries. <i>Environmental Pollution</i> , 2017, 230, 817-828.	3.7	22
53	Evaluation of acute hepatotoxic effects exerted by environmental estrogens nonylphenol and 4-octylphenol in immature male rats. <i>Toxicology</i> , 2002, 175, 49-62.	2.0	21
54	Polymorphisms of glutathione S-transferase $\eta$ and $\zeta$ , MDR1 and VEGF genes as risk factors of bladder cancer: A case-control study. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2012, 30, 660-665.	0.8	21

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55	Pattern of blood concentrations of 47 elements in two populations from the same geographical area but with different geological origin and lifestyles: Canary Islands (Spain) vs. Morocco. <i>Science of the Total Environment</i> , 2018, 636, 709-716.	3.9	21
56	Estimated exposure to EU regulated mycotoxins and risk characterization of aflatoxin-induced hepatic toxicity through the consumption of the toasted cereal flour called "ceogofio", a traditional food of the Canary Islands (Spain). <i>Food and Chemical Toxicology</i> , 2016, 93, 73-81.	1.8	20
57	Concentration of heavy metals and rare earth elements in patients with brain tumours: Analysis in tumour tissue, non-tumour tissue, and blood. <i>International Journal of Environmental Health Research</i> , 2021, 31, 741-754.	1.3	20
58	Crude Oil as a Stranding Cause among Loggerhead Sea Turtles ( <i>Caretta caretta</i> ) in the Canary Islands, Spain (1998-2011). <i>Journal of Wildlife Diseases</i> , 2013, 49, 637-640.	0.3	19
59	Are pet dogs good sentinels of human exposure to environmental polycyclic aromatic hydrocarbons, organochlorine pesticides and polychlorinated biphenyls?. <i>Journal of Applied Animal Research</i> , 2016, 44, 135-145.	0.4	19
60	Intensive livestock farming as a major determinant of the exposure to anticoagulant rodenticides in raptors of the Canary Islands (Spain). <i>Science of the Total Environment</i> , 2021, 768, 144386.	3.9	19
61	Dietary Intake of Essential, Toxic, and Potentially Toxic Elements from Mussels ( <i>Mytilus</i> spp.) in the Spanish Population: A Nutritional Assessment. <i>Nutrients</i> , 2019, 11, 864.	1.7	18
62	Comparative Study of Organohalogen Contamination Between Two Populations of Eastern Atlantic Loggerhead Sea Turtles ( <i>Caretta caretta</i> ). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2013, 91, 678-683.	1.3	16
63	Serum concentration of toxic metals and rare earth elements in children and adolescent. <i>International Journal of Environmental Health Research</i> , 2020, 30, 696-712.	1.3	16
64	Daily intake of anthropogenic pollutants through yogurt consumption in the Spanish population. <i>Journal of Applied Animal Research</i> , 2015, 43, 373-383.	0.4	15
65	Influence of parasitism in dogs on their serum levels of persistent organochlorine compounds and polycyclic aromatic hydrocarbons. <i>Science of the Total Environment</i> , 2016, 562, 128-135.	3.9	15
66	Occurrence of Contamination by Controlled Substances in Euro Banknotes from the Spanish Archipelago of the Canary Islands. <i>Journal of Forensic Sciences</i> , 2011, 56, 1588-1593.	0.9	13
67	Assessment of current dietary intake of organochlorine contaminants and polycyclic aromatic hydrocarbons in killer whales ( <i>Orcinus orca</i> ) through direct determination in a group of whales in captivity. <i>Science of the Total Environment</i> , 2014, 472, 1044-1051.	3.9	13
68	Determinants of blood lead levels in children: A cross-sectional study in the Canary Islands (Spain). <i>International Journal of Hygiene and Environmental Health</i> , 2012, 215, 383-388.	2.1	12
69	Association between Heavy Metals and Rare Earth Elements with Acute Ischemic Stroke: A Case-Control Study Conducted in the Canary Islands (Spain). <i>Toxics</i> , 2020, 8, 66.	1.6	12
70	Impact of chemical elements released by the volcanic eruption of La Palma (Canary Islands, Spain) on banana agriculture and European consumers. <i>Chemosphere</i> , 2022, 293, 133508.	4.2	12
71	Reduction of persistent and semi-persistent organic pollutants in fillets of farmed European seabass ( <i>Dicentrarchus labrax</i> ) fed low fish oil diets. <i>Science of the Total Environment</i> , 2018, 643, 1239-1247.	3.9	11
72	Differential gene expression pattern in human mammary epithelial cells induced by realistic organochlorine mixtures described in healthy women and in women diagnosed with breast cancer. <i>Toxicology Letters</i> , 2016, 246, 42-48.	0.4	10

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73	Validation of a Method Scope Extension for the Analysis of POPs in Soil and Verification in Organic and Conventional Farms of the Canary Islands. <i>Toxics</i> , 2021, 9, 101.	1.6	10
74	Nutritional Evaluation and Risk Assessment of the Exposure to Essential and Toxic Elements in Dogs and Cats through the Consumption of Pelleted Dry Food: How Important Is the Quality of the Feed?. <i>Toxics</i> , 2021, 9, 133.	1.6	10
75	A Method Scope Extension for the Simultaneous Analysis of POPs, Current-Use and Banned Pesticides, Rodenticides, and Pharmaceuticals in Liver. Application to Food Safety and Biomonitoring. <i>Toxics</i> , 2021, 9, 238.	1.6	10
76	Epidemiology of Animal Poisonings in the Canary Islands (Spain) during the Period 2014–2021. <i>Toxics</i> , 2021, 9, 267.	1.6	10
77	The heartworm ( <i>Dirofilaria immitis</i> ) seems to be able to metabolize organochlorine pesticides and polychlorinated biphenyls: A case–control study in dogs. <i>Science of the Total Environment</i> , 2017, 575, 1445-1452.	3.9	9
78	Comparative study of organic contaminants in agricultural soils at the archipelagos of the Macaronesia. <i>Environmental Pollution</i> , 2022, 301, 118979.	3.7	9
79	Steroid hormone progesterone induces cell proliferation and abnormal mitotic processes in rat liver. <i>Archives of Toxicology</i> , 2002, 75, 707-716.	1.9	8
80	The Relationship between Dioxin-Like Polychlorobiphenyls and IGF-I Serum Levels in Healthy Adults: Evidence from a Cross-Sectional Study. <i>PLoS ONE</i> , 2012, 7, e38213.	1.1	8
81	Supporting dataset on the optimization and validation of a QuEChERS-based method for the determination of 218 pesticide residues in clay loam soil. <i>Data in Brief</i> , 2020, 33, 106393.	0.5	8
82	Relationship of polychlorinated biphenyls (PCBs) with parasitism, iron homeostasis, and other health outcomes: Results from a cross-sectional study on recently arrived African immigrants. <i>Environmental Research</i> , 2016, 150, 549-556.	3.7	7
83	Estrogen antagonism on T3 and growth hormone control of the liver microsomal low-affinity glucocorticoid binding site (LAGS). <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1997, 63, 219-228.	1.2	6
84	Evaluation of the Potential Protective Effect of 21-Aminosteroid U-74389G on Liver Injury Induced by Reduced and Prolonged Partial Hepatic Ischaemia Reperfusion in Rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2003, 93, 238-243.	0.0	6
85	Supporting dataset on the validation and verification of the analytical method for the biomonitoring of 360 toxicologically relevant pollutants in whole blood. <i>Data in Brief</i> , 2020, 31, 105878.	0.5	6
86	Blood concentrations of 50 elements in Eagle owl ( <i>Bubo bubo</i> ) at different contamination scenarios and related effects on plasma vitamin levels. <i>Environmental Pollution</i> , 2020, 265, 115012.	3.7	6
87	Toxic elements in blood of red-necked nightjars ( <i>Caprimulgus ruficollis</i> ) inhabiting differently polluted environments. <i>Environmental Pollution</i> , 2020, 262, 114334.	3.7	6
88	Extension of an extraction method for the determination of 305 organic compounds in clay-loam soil to soils of different characteristics. <i>MethodsX</i> , 2021, 8, 101476.	0.7	6
89	Assessment of 22 inorganic elements in human amniotic fluid: a cross-sectional study conducted in Canary Islands (Spain). <i>International Journal of Environmental Health Research</i> , 2019, 29, 130-139.	1.3	5
90	An Easy Procedure to Quantify Anticoagulant Rodenticides and Pharmaceutical Active Compounds in Soils. <i>Toxics</i> , 2021, 9, 83.	1.6	5

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91	Human biomonitoring of persistent and non-persistent pollutants in a representative sample of the general population from Cape Verde: Results from the PERVEMAC-II study. <i>Environmental Pollution</i> , 2022, 306, 119331.	3.7	5
92	[ <sup>3</sup> H]Dexamethasone Binding Activity in Liver Microsomes is Modulated Differently by 17 $\alpha$ -Alkylated Androgens and Testosterone <i>in vivo</i> . <i>Basic and Clinical Pharmacology and Toxicology</i> , 1995, 77, 264-269.	0.0	4
93	Database of persistent organic pollutants in umbilical cord blood: Concentration of organochlorine pesticides, PCBs, BDEs and polycyclic aromatic hydrocarbons. <i>Data in Brief</i> , 2020, 28, 104918.	0.5	4
94	Incidence of 49 elements in the blood and scute tissues of nesting hawksbill turtles ( <i>Eretmochelys</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.4	4
95	Ethanol levels in legally autopsied subjects: Analytical approach and epidemiological relevance in a prospective study in the touristic region of the Canary Islands (Spain). <i>Journal of Clinical Forensic and Legal Medicine</i> , 2017, 52, 40-45.	0.5	3
96	Ethanol levels in legally autopsied subjects (2016â€“2017): Update of data and epidemiological implications in relation to violent deaths in Canary Islands (Spain). <i>Journal of Clinical Forensic and Legal Medicine</i> , 2019, 68, 101868.	0.5	3
97	Dataset on the concentrations of anticoagulant rodenticides in raptors from the Canary Islands with geographic information. <i>Data in Brief</i> , 2021, 34, 106744.	0.5	3
98	Blood Toxic Elements and Effects on Plasma Vitamins and Carotenoids in Two Wild Bird Species: <i>Turdus merula</i> and <i>Columba livia</i> . <i>Toxics</i> , 2021, 9, 219.	1.6	3
99	Dietary Intake of Environmentally Persistent Plaguicides in the European Population. , 2011, , .		2
100	Simvastatin down-regulates differential genetic profiles produced by organochlorine mixtures in primary breast cell (HMEC). <i>Chemico-Biological Interactions</i> , 2017, 268, 85-92.	1.7	2
101	Medical Psychotropics in Forensic Autopsies in European Countries: Results from a Three-Year Retrospective Study in Spain. <i>Toxics</i> , 2022, 10, 64.	1.6	2
102	Serum levels of insulin-like growth factor-I in younger population in relation to organochlorine pesticides. <i>Toxicology Letters</i> , 2007, 172, S113.	0.4	0
103	Monitoring serum PCB levels in the adult population of the Canary Islands (Spain). <i>AIMS Environmental Science</i> , 2015, 2, 345-352.	0.7	0