

# Rafael Mateo

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7807025/rafael-mateo-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

220  
papers

5,984  
citations

42  
h-index

62  
g-index

234  
ext. papers

6,959  
ext. citations

6  
avg, IF

6.03  
L-index

#	Paper	IF	Citations
220	Marine debris ingestion in loggerhead sea turtles, <i>Caretta caretta</i> , from the Western Mediterranean. <i>Marine Pollution Bulletin</i> , <b>2002</b> , 44, 211-6	6.7	171
219	Long-term effects of lead poisoning on bone mineralization in vultures exposed to ammunition sources. <i>Environmental Pollution</i> , <b>2009</b> , 157, 569-74	9.3	135
218	The oxidation handicap hypothesis and the carotenoid allocation trade-off. <i>Journal of Evolutionary Biology</i> , <b>2008</b> , 21, 1789-97	2.3	120
217	Primary and secondary poisoning by anticoagulant rodenticides of non-target animals in Spain. <i>Science of the Total Environment</i> , <b>2012</b> , 420, 280-8	10.2	113
216	Heavy metal exposure in large game from a lead mining area: effects on oxidative stress and fatty acid composition in liver. <i>Environmental Pollution</i> , <b>2009</b> , 157, 1388-95	9.3	109
215	Experimental evidence that egg color indicates female condition at laying in a songbird. <i>Behavioral Ecology</i> , <b>2006</b> , 17, 651-655	2.3	106
214	Tracking pan-continental trends in environmental contamination using sentinel raptors-what types of samples should we use?. <i>Ecotoxicology</i> , <b>2016</b> , 25, 777-801	2.9	102
213	An overview of existing raptor contaminant monitoring activities in Europe. <i>Environment International</i> , <b>2014</b> , 67, 12-21	12.9	102
212	Transfer of metals to plants and red deer in an old lead mining area in Spain. <i>Science of the Total Environment</i> , <b>2008</b> , 406, 287-97	10.2	101
211	A review of the effects of agricultural and industrial contamination on the Ebro delta biota and wildlife. <i>Environmental Monitoring and Assessment</i> , <b>2001</b> , 71, 187-205	3.1	101
210	Imidacloprid-treated seed ingestion has lethal effect on adult partridges and reduces both breeding investment and offspring immunity. <i>Environmental Research</i> , <b>2015</b> , 136, 97-107	7.9	97
209	Experimental exposure of red-legged partridges ( <i>Alectoris rufa</i> ) to seeds coated with imidacloprid, thiram and difenoconazole. <i>Ecotoxicology</i> , <b>2013</b> , 22, 125-38	2.9	90
208	Alleviating human-wildlife conflicts: identifying the causes and mapping the risk of illegal poisoning of wild fauna. <i>Journal of Applied Ecology</i> , <b>2012</b> , 49, 376-385	5.8	88
207	Effects of lead exposure on oxidative stress biomarkers and plasma biochemistry in waterbirds in the field. <i>Environmental Research</i> , <b>2011</b> , 111, 530-8	7.9	87
206	Zinc and lead poisoning in wild birds in the tri-state mining district (Oklahoma, Kansas, and Missouri). <i>Archives of Environmental Contamination and Toxicology</i> , <b>2005</b> , 48, 108-17	3.2	87
205	Creating a safe operating space for wetlands in a changing climate. <i>Frontiers in Ecology and the Environment</i> , <b>2017</b> , 15, 99-107	5.5	84
204	Relationship between oxidative stress, pathology, and behavioral signs of lead poisoning in mallards. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2003</b> , 66, 1371-89	3.2	80

203	Effects of lead from ammunition on birds and other wildlife: A review and update. <i>Ambio</i> , <b>2019</b> , 48, 935-953	6.3	71
202	Potential hazard to human health from exposure to fragments of lead bullets and shot in the tissues of game animals. <i>PLoS ONE</i> , <b>2010</b> , 5, e10315	3.7	70
201	Age and breeding effort as sources of individual variability in oxidative stress markers in a bird species. <i>Physiological and Biochemical Zoology</i> , <b>2010</b> , 83, 110-8	2	70
200	Levels of heavy metals and metalloids in critically endangered Iberian lynx and other wild carnivores from Southern Spain. <i>Science of the Total Environment</i> , <b>2008</b> , 399, 193-201	10.2	70
199	After the Aznalcollar mine spill: arsenic, zinc, selenium, lead and copper levels in the livers and bones of five waterfowl species. <i>Environmental Research</i> , <b>2006</b> , 100, 349-61	7.9	65
198	Lead and arsenic in bones of birds of prey from Spain. <i>Environmental Pollution</i> , <b>2003</b> , 126, 107-14	9.3	65
197	High Prevalences of Lead Poisoning in Wintering Waterfowl in Spain. <i>Archives of Environmental Contamination and Toxicology</i> , <b>1998</b> , 35, 342-7	3.2	64
196	Health and Environmental Risks from Lead-based Ammunition: Science Versus Socio-Politics. <i>EcoHealth</i> , <b>2016</b> , 13, 618-622	3.1	60
195	Detection and drivers of exposure and effects of pharmaceuticals in higher vertebrates. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 369,	5.8	58
194	Should legislation regarding maximum Pb and Cd levels in human food also cover large game meat?. <i>Environment International</i> , <b>2011</b> , 37, 18-25	12.9	57
193	Pancreatitis in wild zinc-poisoned waterfowl. <i>Avian Pathology</i> , <b>2003</b> , 32, 655-60	2.4	57
192	Effectiveness of action in India to reduce exposure of Gyps vultures to the toxic veterinary drug diclofenac. <i>PLoS ONE</i> , <b>2011</b> , 6, e19069	3.7	57
191	Relationship of the toxicity of pesticide formulations and their commercial restrictions with the frequency of animal poisonings. <i>Ecotoxicology and Environmental Safety</i> , <b>2008</b> , 69, 396-402	7	54
190	Lack of scientific evidence and precautionary principle in massive release of rodenticides threatens biodiversity: old lessons need new reflections. <i>Environmental Conservation</i> , <b>2009</b> , 36, 1	3.3	53
189	Lead shot pellets in the Ebro delta, Spain: densities in sediments and prevalence of exposure in waterfowl. <i>Environmental Pollution</i> , <b>1997</b> , 96, 335-41	9.3	49
188	Lead poisoning in waterfowl from the Ebro Delta, Spain: Calculation of lead exposure thresholds for mallards. <i>Archives of Environmental Contamination and Toxicology</i> , <b>1994</b> , 27, 289	3.2	49
187	Lead poisoning in wild birds from southern Spain: a comparative study of wetland areas and species affected, and trends over time. <i>Ecotoxicology and Environmental Safety</i> , <b>2007</b> , 66, 119-26	7	47
186	Prevalence of Shiga toxin-producing Escherichia coli, Salmonella spp. and Campylobacter spp. in large game animals intended for consumption: relationship with management practices and livestock influence. <i>Veterinary Microbiology</i> , <b>2013</b> , 163, 274-81	3.3	46

185	Lead (Pb) in sheep exposed to mining pollution: implications for animal and human health. <i>Ecotoxicology and Environmental Safety</i> , <b>2014</b> , 108, 210-6	7	42
184	Interspecific and geographical differences in anticoagulant rodenticide residues of predatory wildlife from the Mediterranean region of Spain. <i>Science of the Total Environment</i> , <b>2015</b> , 511, 259-67	10.2	42
183	Sub-chronic effects of nitrate in drinking water on red-legged partridge ( <i>Alectoris rufa</i> ): oxidative stress and T-cell mediated immune function. <i>Environmental Research</i> , <b>2010</b> , 110, 469-75	7.9	42
182	Analysis of nine NSAIDs in ungulate tissues available to critically endangered vultures in India. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 4561-6	10.3	42
181	Altered porphyrin excretion and histopathology of greylag geese ( <i>Anser anser</i> ) exposed to soil contaminated with lead and arsenic in the Guadalquivir Marshes, southwestern Spain. <i>Environmental Toxicology and Chemistry</i> , <b>2006</b> , 25, 203-12	3.8	42
180	Heavy metals in livers of waterbirds from Spain. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2003</b> , 44, 398-404	3.2	42
179	Persistent organochlorine contaminants in eggs of northern goshawk and Eurasian buzzard from northeastern Spain: temporal trends related to changes in the diet. <i>Environmental Pollution</i> , <b>2003</b> , 122, 351-9	9.3	42
178	Determinants of Lead Shot, Rice, and Grit Ingestion in Ducks and Coots. <i>Journal of Wildlife Management</i> , <b>2000</b> , 64, 939	1.9	42
177	Reducing Pb poisoning in birds and Pb exposure in game meat consumers: the dual benefit of effective Pb shot regulation. <i>Environment International</i> , <b>2014</b> , 63, 163-8	12.9	41
176	Transfer of lead from shot pellets to game meat during cooking. <i>Science of the Total Environment</i> , <b>2007</b> , 372, 480-5	10.2	41
175	Lead shot ingestion by marsh harriers <i>Circus aeruginosus</i> from the Ebro delta, Spain. <i>Environmental Pollution</i> , <b>1999</b> , 104, 435-440	9.3	40
174	Using Pb-Al ratios to discriminate between internal and external deposition of Pb in feathers. <i>Ecotoxicology and Environmental Safety</i> , <b>2011</b> , 74, 911-7	7	39
173	Risk assessment of pesticide seed treatment for farmland birds using refined field data. <i>Journal of Applied Ecology</i> , <b>2016</b> , 53, 1373-1381	5.8	39
172	Bioaccessibility of Pb from ammunition in game meat is affected by cooking treatment. <i>PLoS ONE</i> , <b>2011</b> , 6, e15892	3.7	37
171	Differences in oxidative stress between young Canada geese and mallards exposed to lead-contaminated sediment. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2001</b> , 64, 531-45	3.2	36
170	Eutrophication and bacterial pathogens as risk factors for avian botulism outbreaks in wetlands receiving effluents from urban wastewater treatment plants. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 4251-9	4.8	35
169	Adverse effects of thiram-treated seed ingestion on the reproductive performance and the offspring immune function of the red-legged partridge. <i>Environmental Toxicology and Chemistry</i> , <b>2015</b> , 34, 1320-9	3.8	35
168	Reduced sperm quality in relation to oxidative stress in red deer from a lead mining area. <i>Environmental Pollution</i> , <b>2009</b> , 157, 2209-15	9.3	35

167	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> , <b>2015</b> , 523, 161-9	10.2	34
166	Experimental approaches to test pesticide-treated seed avoidance by birds under a simulated diversification of food sources. <i>Science of the Total Environment</i> , <b>2014</b> , 496, 179-187	10.2	34
165	Sublethal Pb exposure produces season-dependent effects on immune response, oxidative balance and investment in carotenoid-based coloration in red-legged partridges. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 3839-50	10.3	34
164	Levels of organochlorine pesticides and polychlorinated biphenyls in the critically endangered Iberian lynx and other sympatric carnivores in Spain. <i>Chemosphere</i> , <b>2012</b> , 86, 691-700	8.4	34
163	Possible interaction between a rodenticide treatment and a pathogen in common vole ( <i>Microtus arvalis</i> ) during a population peak. <i>Science of the Total Environment</i> , <b>2009</b> , 408, 267-71	10.2	34
162	Determination of porphyrins and biliverdin in bile and excreta of birds by a single liquid chromatography-ultraviolet detection analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2004</b> , 810, 305-311	3.2	34
161	Oral acute toxicity of imidacloprid, thiamethoxam and clothianidin in eared doves: A contribution for the risk assessment of neonicotinoids in birds. <i>Science of the Total Environment</i> , <b>2019</b> , 650, 1216-1223	10.2	34
160	Identification of carotenoid pigments and their fatty acid esters in an avian integument combining HPLC-DAD and LC-MS analyses. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2011</b> , 879, 341-8	3.2	33
159	The role of sardine as prey for pelagic predators in the western Mediterranean Sea assessed using stable isotopes and fatty acids. <i>Marine Ecology - Progress Series</i> , <b>2015</b> , 531, 1-14	2.6	33
158	Altered immune response in mallard ducklings exposed to lead through maternal transfer in the wild. <i>Environmental Pollution</i> , <b>2015</b> , 205, 350-6	9.3	32
157	Organochlorine residue levels in livers of birds of prey from Spain: inter-species comparison in relation with diet and migratory patterns. <i>Environmental Pollution</i> , <b>2008</b> , 153, 84-91	9.3	32
156	Lead poisoning in the globally threatened marbled teal and white-headed duck in Spain. <i>Environmental Toxicology and Chemistry</i> , <b>2001</b> , 20, 2860-2868	3.8	32
155	Effects of Lead Exposure on Sperm Quality and Reproductive Success in an Avian Model. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 12484-12492	10.3	31
154	A negative association between bromadiolone exposure and nestling body condition in common kestrels: management implications for vole outbreaks. <i>Pest Management Science</i> , <b>2017</b> , 73, 364-370	4.6	31
153	Assessing the Risk of Fipronil-Treated Seed Ingestion and Associated Adverse Effects in the Red-Legged Partridge. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 13649-57	10.3	31
152	Mercury exposure and mechanism of response in large game using the Almad� mercury mining area (Spain) as a case study. <i>Environmental Research</i> , <b>2012</b> , 112, 58-66	7.9	31
151	Environmental factors influencing the prevalence of a <i>Clostridium botulinum</i> type C/D mosaic strain in nonpermanent Mediterranean wetlands. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 4264-71	4.8	31
150	Lead shot ingestion in two raptor species from Do�na, Spain. <i>Ecotoxicology and Environmental Safety</i> , <b>2001</b> , 48, 6-10	7	30

149	Mammalian Susceptibility to a Neonicotinoid Insecticide after Fetal and Early Postnatal Exposure. <i>Scientific Reports</i> , <b>2018</b> , 8, 16639	4.9	30
148	Pollutant accumulation patterns in nestlings of an avian top predator: biochemical and metabolic effects. <i>Science of the Total Environment</i> , <b>2015</b> , 538, 692-702	10.2	29
147	Metal levels in the bones and livers of globally threatened marbled teal and white-headed duck from El Hondo, Spain. <i>Ecotoxicology and Environmental Safety</i> , <b>2009</b> , 72, 1-9	7	29
146	Blood Pb and $\delta$ -ALA inhibition in cattle and sheep from a Pb-polluted mining area. <i>Environmental Pollution</i> , <b>2012</b> , 160, 118-24	9.3	28
145	Interactions between endogenous and dietary antioxidants against Pb-induced oxidative stress in wild ungulates from a Pb polluted mining area. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 2725-33	10.2	28
144	Avian digestive tract simulation to study the effect of grit geochemistry and food on Pb shot bioaccessibility. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 9480-6	10.3	28
143	Arsenic rich iron plaque on macrophyte roots--an ecotoxicological risk?. <i>Environmental Pollution</i> , <b>2009</b> , 157, 946-54	9.3	28
142	Organochlorine residues in tissues of striped dolphins affected by the 1990 Mediterranean epizootic: relationships with the fatty acid composition. <i>Archives of Environmental Contamination and Toxicology</i> , <b>1996</b> , 30, 79-83	3.2	28
141	Low-quality birds do not display high-quality signals: The cysteine-pheomelanin mechanism of honesty. <i>Evolution; International Journal of Organic Evolution</i> , <b>2015</b> , 69, 26-38	3.8	26
140	Alterations in vitamin A and E levels in liver and testis of wild ungulates from a lead mining area. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2011</b> , 60, 361-71	3.2	26
139	Regulations on lead ammunition adopted in Europe and evidence of compliance. <i>Ambio</i> , <b>2019</b> , 48, 989-985	3.8	25
138	Lead exposure reduces carotenoid-based coloration and constitutive immunity in wild mallards. <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 1516-25	3.8	25
137	Free and esterified carotenoids in ornaments of an avian species: the relationship to color expression and sources of variability. <i>Physiological and Biochemical Zoology</i> , <b>2013</b> , 86, 483-98	2	25
136	Lead poisoning in a free ranging griffon vulture ( <i>Gyps fulvus</i> ). <i>Veterinary Record</i> , <b>1997</b> , 140, 47-8	0.9	25
135	Identifying sources of Pb exposure in waterbirds and effects on porphyrin metabolism using noninvasive fecal sampling. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 6153-9	10.3	24
134	Specificity and success of oral-bait delivery to Eurasian wild boar in Mediterranean woodland habitats. <i>European Journal of Wildlife Research</i> , <b>2011</b> , 57, 749-757	2	24
133	Porphyrins and pheomelanins contribute to the reddish juvenal plumage of black-shouldered kites. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2009</b> , 153, 296-9	2.3	24
132	An epizootic of lead poisoning in greater flamingos ( <i>Phoenicopterus ruber roseus</i> ) in Spain. <i>Journal of Wildlife Diseases</i> , <b>1997</b> , 33, 131-4	1.3	24

131	Lead isotopes and lead shot ingestion in the globally threatened marbled teal ( <i>Marmaronetta angustirostris</i> ) and white-headed duck ( <i>Oxyura leucocephala</i> ). <i>Science of the Total Environment</i> , <b>2006</b> , 370, 416-24	10.2	24
130	Risk assessment of bearded vulture ( <i>Gypaetus barbatus</i> ) exposure to topical antiparasitics used in livestock within an ecotoxicovigilance framework. <i>Science of the Total Environment</i> , <b>2015</b> , 536, 704-712	10.2	22
129	The same clade of <i>Clostridium botulinum</i> strains is causing avian botulism in southern and northern Europe. <i>Anaerobe</i> , <b>2014</b> , 26, 20-3	2.8	22
128	Large-scale geographical variation in eggshell metal and calcium content in a passerine bird ( <i>Ficedula hypoleuca</i> ). <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 3304-17	5.1	22
127	Grit selection in waterfowl and how it determines exposure to ingested lead shot in Mediterranean wetlands. <i>Environmental Conservation</i> , <b>2005</b> , 32, 226-234	3.3	22
126	Immunotoxic effects of lead on birds. <i>Science of the Total Environment</i> , <b>2019</b> , 689, 505-515	10.2	21
125	Detecting diclofenac in livestock carcasses in India with an ELISA: a tool to prevent widespread vulture poisoning. <i>Environmental Pollution</i> , <b>2012</b> , 160, 11-6	9.3	21
124	Assessment of lead exposure in Spanish imperial eagle ( <i>Aquila adalberti</i> ) from spent ammunition in central Spain. <i>Ecotoxicology</i> , <b>2011</b> , 20, 670-81	2.9	21
123	Changes in fatty acid profiles in testis and spermatozoa of red deer exposed to metal pollution. <i>Reproductive Toxicology</i> , <b>2010</b> , 29, 346-52	3.4	21
122	Comparative study on the fatty acid composition of two marine vertebrates: striped dolphins and loggerhead turtles. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>1999</b> , 124, 439-43	2.3	21
121	Lead Poisoning in Wild Birds in Europe and the Regulations Adopted by Different Countries <b>2009</b> ,		21
120	Specific carotenoid pigments in the diet and a bit of oxidative stress in the recipe for producing red carotenoid-based signals. <i>PeerJ</i> , <b>2016</b> , 4, e2237	3.1	21
119	Urbanization and cattle density are determinants in the exposure to anticoagulant rodenticides of non-target wildlife. <i>Environmental Pollution</i> , <b>2019</b> , 244, 801-808	9.3	21
118	Pb-Al relationships in waterfowl feces discriminate between sources of Pb exposure. <i>Environmental Pollution</i> , <b>2010</b> , 158, 2485-9	9.3	20
117	Trace metals in tissues of gray whale ( <i>Eschrichtius robustus</i> ) carcasses from the Northern Pacific Mexican Coast. <i>Marine Pollution Bulletin</i> , <b>2002</b> , 44, 217-21	6.7	20
116	Secondary Exposure to Anticoagulant Rodenticides and Effects on Predators. <i>Emerging Topics in Ecotoxicology</i> , <b>2018</b> , 159-193		20
115	Effects of lead shot ingestion on bone mineralization in a population of red-legged partridge ( <i>Alectoris rufa</i> ). <i>Science of the Total Environment</i> , <b>2014</b> , 466-467, 34-9	10.2	19
114	Chronic effects of lead (Pb) on bone properties in red deer and wild boar: relationship with vitamins A and D3. <i>Environmental Pollution</i> , <b>2013</b> , 174, 142-9	9.3	19

113	Lead-shot exposure in red-legged partridge ( <i>Alectoris rufa</i> ) on a driven shooting estate. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 6271-7	10.3	19
112	Differences in the Vulnerability of Waterbird Species to Botulism Outbreaks in Mediterranean Wetlands: an Assessment of Ecological and Physiological Factors. <i>Applied and Environmental Microbiology</i> , <b>2016</b> , 82, 3092-9	4.8	19
111	Increased chromatin fragmentation and reduced acrosome integrity in spermatozoa of red deer from lead polluted sites. <i>Science of the Total Environment</i> , <b>2015</b> , 505, 32-8	10.2	18
110	Effects of invasive fish and quality of water and sediment on macrophytes biomass, and their consequences for the waterbird community of a Mediterranean floodplain. <i>Science of the Total Environment</i> , <b>2016</b> , 551-552, 513-21	10.2	18
109	Towards harmonisation of chemical monitoring using avian apex predators: Identification of key species for pan-European biomonitoring. <i>Science of the Total Environment</i> , <b>2020</b> , 731, 139198	10.2	17
108	Mapping the spatio-temporal risk of lead exposure in apex species for more effective mitigation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283,	4.4	17
107	Food safety risk assessment of metal pollution in crayfish from two historical mining areas: Accounting for bioavailability and cooking extractability. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 185, 109682	7	17
106	Astaxanthin and papilioerythrinone in the skin of birds: a chromatic convergence of two metabolic routes with different precursors?. <i>Die Naturwissenschaften</i> , <b>2014</b> , 101, 407-16	2	16
105	Variation in eggshell traits between geographically distant populations of pied flycatchers <i>Ficedula hypoleuca</i> . <i>Journal of Avian Biology</i> , <b>2013</b> , 44, 111-120	1.9	16
104	Analysis of serum biochemical parameters in relation to <i>Mycobacterium bovis</i> infection of European wild boars ( <i>Sus scrofa</i> ) in Spain. <i>European Journal of Wildlife Research</i> , <b>2006</b> , 52, 301-304	2	16
103	Pb, Cd, As, and Se concentrations in livers of dead wild birds from the Ebro Delta, Spain. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>1994</b> , 52, 523-9	2.7	16
102	Porphyrins produce uniquely ephemeral animal colouration: a possible signal of virginity. <i>Scientific Reports</i> , <b>2016</b> , 6, 39210	4.9	16
101	Generalized spatial mark-resight models with incomplete identification: An application to red fox density estimates. <i>Ecology and Evolution</i> , <b>2019</b> , 9, 4739-4748	2.8	15
100	Accumulation of dietary carotenoids, retinoids and tocopherol in the internal tissues of a bird: a hypothesis for the cost of producing colored ornaments. <i>Oecologia</i> , <b>2015</b> , 177, 259-71	2.9	15
99	Blood concentrations of PCBs and DDTs in an avian predator endemic to southern Africa: Associations with habitat, electrical transformers and diet. <i>Environmental Pollution</i> , <b>2018</b> , 232, 440-449	9.3	15
98	Detection of <i>Clostridium botulinum</i> neurotoxin coding genes: analysis of PCR products by real time versus capillary gel electrophoresis methods. <i>European Food Research and Technology</i> , <b>2008</b> , 227, 495-502 <sup>4</sup>	3.4	15
97	Relation of fatty acid composition in lead-exposed mallards to fat mobilization, lipid peroxidation and alkaline phosphatase activity. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2003</b> , 135, 451-8	3.2	15
96	The effects of grit supplementation and feed type on steel-shot ingestion in mallards. <i>Preventive Veterinary Medicine</i> , <b>2000</b> , 44, 221-9	3.1	15



95	Brood size is reduced by half in birds feeding on flutriafol-treated seeds below the recommended application rate. <i>Environmental Pollution</i> , <b>2018</b> , 243, 418-426	9.3	15
94	Is gastrointestinal microbiota relevant for endogenous mercury methylation in terrestrial animals?. <i>Environmental Research</i> , <b>2017</b> , 152, 454-461	7.9	14
93	Illegal killing of birds in Europe continues. <i>Science</i> , <b>2019</b> , 363, 1161	33.3	14
92	Direct evidence of poison-driven widespread population decline in a wild vertebrate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 16418-16423	11.5	14
91	Possible cantharidin poisoning of a great bustard ( <i>Otis tarda</i> ). <i>Toxicon</i> , <b>2012</b> , 59, 100-3	2.8	14
90	Monitoring of Pb exposure in waterfowl ten years after a mine spill through the use of noninvasive sampling. <i>PLoS ONE</i> , <b>2013</b> , 8, e57295	3.7	14
89	Shell thickness and pore density in relation to shell colouration, female characteristics, and environmental factors in the Collared Flycatcher <i>Ficedula albicollis</i> . <i>Journal of Ornithology</i> , <b>2011</b> , 152, 579-588	1.5	14
88	Exposure to anthropogenic chemicals in wild carnivores: a silent conservation threat demanding long-term surveillance. <i>Current Opinion in Environmental Science and Health</i> , <b>2019</b> , 11, 21-25	8.1	13
87	Differences in the fatty-acid composition of rodent spermatozoa are associated to levels of sperm competition. <i>Biology Open</i> , <b>2015</b> , 4, 466-73	2.2	13
86	Real-time polymerase chain reaction for the detection of toxigenic <i>Clostridium botulinum</i> type C1 in waterbird and sediment samples: comparison with other PCR techniques. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2011</b> , 23, 942-6	1.5	13
85	Testing the shared-pathway hypothesis in the carotenoid-based coloration of red crossbills. <i>Evolution; International Journal of Organic Evolution</i> , <b>2020</b> , 74, 2348-2364	3.8	13
84	Lesions associated with the plexus venosus subcutaneus collaris of pigeons with chlorophacinone toxicosis. <i>Avian Diseases</i> , <b>2008</b> , 52, 540-3	1.6	12
83	Use of fatty acids to explain variability of organochlorine concentrations in eggs and plasma of common terns ( <i>Sterna hirundo</i> ). <i>Ecotoxicology</i> , <b>2004</b> , 13, 545-54	2.9	12
82	p,pTDDE residues in eggs of European kestrel <i>Falco tinnunculus</i> from Tenerife, Canary Islands, Spain. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2000</b> , 65, 780-5	2.7	12
81	Comparison of residue levels of persistent organochlorine compounds in butter from Spain and from other European countries. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2000</b> , 35, 201-10	2.2	12
80	Determination of porphyrins and biliverdin in bile and excreta of birds by a single liquid chromatography-ultraviolet detection analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2004</b> , 810, 305-11	3.2	12
79	Dust and bullets: Stable isotopes and GPS tracking disentangle lead sources for a large avian scavenger. <i>Environmental Pollution</i> , <b>2020</b> , 266, 115022	9.3	11
78	NSAIDs detected in Iberian avian scavengers and carrion after diclofenac registration for veterinary use in Spain. <i>Environmental Pollution</i> , <b>2020</b> , 266, 115157	9.3	11

77	Mercury species accumulation and trophic transfer in biological systems using the Almad� mining district (Ciudad Real, Spain) as a case of study. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 6074-81	5.1	11
76	Domestic waste disposal sites secure food availability but diminish plasma antioxidants in Egyptian vulture. <i>Science of the Total Environment</i> , <b>2019</b> , 650, 1382-1391	10.2	11
75	Birds feeding on tebuconazole treated seeds have reduced breeding output. <i>Environmental Pollution</i> , <b>2021</b> , 271, 116292	9.3	11
74	Integrated environmental risk assessment of chemical pollution in a Mediterranean floodplain by combining chemical and biological methods. <i>Science of the Total Environment</i> , <b>2017</b> , 583, 248-256	10.2	10
73	Pollutants and diet influence carotenoid levels and integument coloration in nestlings of an endangered raptor. <i>Science of the Total Environment</i> , <b>2017</b> , 603-604, 299-307	10.2	10
72	Accumulation of diastereomers of anticoagulant rodenticides in wild boar from suburban areas: Implications for human consumers. <i>Science of the Total Environment</i> , <b>2020</b> , 738, 139828	10.2	10
71	Risk assessment of lead poisoning and pesticide exposure in the declining population of red-breasted goose ( <i>Branta ruficollis</i> ) wintering in Eastern Europe. <i>Environmental Research</i> , <b>2016</b> , 151, 359-367	7.9	10
70	Expression of immunoregulatory genes and its relationship to lead exposure and lead-mediated oxidative stress in wild ungulates from an abandoned mining area. <i>Environmental Toxicology and Chemistry</i> , <b>2013</b> , 32, 876-83	3.8	10
69	Analysis by LC/ESI-MS of iophenoxic acid derivatives and evaluation as markers of oral baits to deliver pharmaceuticals to wildlife. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2010</b> , 878, 1997-2002	3.2	10
68	Organochlorine residues in hunted wild mallards in the Ebro Delta, Spain. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>1998</b> , 60, 134-41	2.7	10
67	Assessment of ecotoxicological risks to river otters from ingestion of invasive red swamp crayfish in metal contaminated areas: Use of feces to estimate dietary exposure. <i>Environmental Research</i> , <b>2020</b> , 181, 108907	7.9	10
66	A schematic sampling protocol for contaminant monitoring in raptors. <i>Ambio</i> , <b>2021</b> , 50, 95-100	6.5	10
65	First diclofenac intoxication in a wild avian scavenger in Europe. <i>Science of the Total Environment</i> , <b>2021</b> , 782, 146890	10.2	10
64	Carotenoid profile and vitamins in the combs of the red grouse ( <i>Lagopus lagopus scoticus</i> ): implications for the honesty of a sexual signal. <i>Journal of Ornithology</i> , <b>2016</b> , 157, 145-153	1.5	9
63	Blood concentrations of p,p'DDE and PCBs in harriers breeding in Spain and Kazakhstan. <i>Science of the Total Environment</i> , <b>2018</b> , 624, 1287-1297	10.2	9
62	Metals and metalloids in blood and feathers of common moorhens ( <i>Gallinula chloropus</i> ) from wetlands that receive treated wastewater. <i>Science of the Total Environment</i> , <b>2019</b> , 646, 84-92	10.2	9
61	Iophenoxic acid as a bait marker for wild mammals: efficacy and safety considerations. <i>Mammal Review</i> , <b>2013</b> , 43, 156-166	5	9
60	New insight in the epidemiology of avian botulism outbreaks: necrophagous flies as vectors of <i>Clostridium botulinum</i> type C/D. <i>Environmental Microbiology Reports</i> , <b>2014</b> , 6, 738-43	3.7	9

59	Levels of persistent organochlorine residues in eggs of greater flamingos from the Guadalquivir marshes (Doñana), Spain. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2005</b> , 40, 753-60	2.2	9
58	Tools for non-invasive sampling of metal accumulation and its effects in Mediterranean pond turtle populations inhabiting mining areas. <i>Chemosphere</i> , <b>2019</b> , 231, 194-206	8.4	8
57	Intoxicaci3n por munic3n de plomo en aves silvestres en Espa1a y medidas para reducir el riesgo. <i>Ecosistemas</i> , <b>2013</b> , 22, 61-67	1.7	8
56	Reducing nest predation of ground-nesting birds through conditioned food aversion. <i>Biological Conservation</i> , <b>2020</b> , 242, 108405	6.2	8
55	Wax esters of uropygial gland secretion as biomarkers of endocrine disruption in birds exposed to treated sewage water. <i>Environmental Pollution</i> , <b>2019</b> , 250, 323-330	9.3	7
54	Feathers and hair as tools for non-destructive pollution exposure assessment in a mining site of the Iberian Pyrite Belt. <i>Environmental Pollution</i> , <b>2020</b> , 263, 114523	9.3	7
53	Physiological effects of toxic elements on a wild nightjar species. <i>Environmental Pollution</i> , <b>2020</b> , 263, 114568	9.3	7
52	The influence of diet on nestling body condition of an apex predator: a multi-biomarker approach. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , <b>2016</b> , 186, 343-62	2.2	7
51	An experimental test of the toxicity of cereal pellets containing brodifacoum to the snails of Henderson Island, South Pacific. <i>Wildlife Research</i> , <b>2011</b> , 38, 34	1.8	7
50	Multi-level analysis of exposure to triazole fungicides through treated seed ingestion in the red-legged partridge. <i>Environmental Research</i> , <b>2020</b> , 189, 109928	7.9	7
49	Mercury and selenium binding biomolecules in terrestrial mammals ( <i>Cervus elaphus</i> and <i>Sus scrofa</i> ) from a mercury exposed area. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2016</b> , 1022, 159-166	3.2	7
48	Exposure of black-necked grebes ( <i>Podiceps nigricollis</i> ) to metal pollution during the moulting period in the Odiel Marshes, Southwest Spain. <i>Chemosphere</i> , <b>2019</b> , 216, 774-784	8.4	7
47	Integrating active and passive monitoring to assess sublethal effects and mortality from lead poisoning in birds of prey. <i>Science of the Total Environment</i> , <b>2021</b> , 750, 142260	10.2	7
46	Increasing incidence of barbiturate intoxication in avian scavengers and mammals in Spain. <i>Environmental Pollution</i> , <b>2021</b> , 284, 117452	9.3	7
45	Conditioned food aversion mediated by odour cue and microencapsulated levamisole to avoid predation by canids. <i>European Journal of Wildlife Research</i> , <b>2019</b> , 65, 1	2	6
44	Selection of new chemicals to be used in conditioned aversion for non-lethal predation control. <i>Behavioural Processes</i> , <b>2019</b> , 166, 103905	1.6	6
43	In vitro effects of lead on fatty acid composition, oxidative stress biomarkers and quality of ram spermatozoa. <i>Toxicological and Environmental Chemistry</i> , <b>2008</b> , 90, 1163-1175	1.4	6
42	Exposure of birds to cholinesterase-inhibiting pesticides following a forest application for tick control. <i>Environmental Toxicology and Pharmacology</i> , <b>2007</b> , 23, 347-9	5.8	6

41	Persistent organochlorine residues in livers of six species of Ciconiiformes (aves) from Spain. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2006</b> , 41, 671-9	2.2	6
40	Reintroduction of the otter ( <i>Lutra lutra</i> ) into Catalan rivers, Spain: assessing organochlorine residue exposure through diet. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>1999</b> , 63, 248-55	2.7	6
39	Concentration and origin of lead (Pb) in liver and bone of Eurasian buzzards ( <i>Buteo buteo</i> ) in the United Kingdom. <i>Environmental Pollution</i> , <b>2020</b> , 267, 115629	9.3	6
38	Organochlorine pesticides and polychlorinated biphenyls in common kestrel eggs from the Canary Islands: Spatiotemporal variations and effects on eggshell and reproduction. <i>Chemosphere</i> , <b>2020</b> , 261, 127722	8.4	6
37	An Overview of Recent Trends in Wildlife Ecotoxicology. <i>Wildlife Research Monographs</i> , <b>2016</b> , 125-150	1.4	6
36	Feather content of porphyrins in Eurasian eagle owl ( <i>Bubo bubo</i> ) fledglings depends on body condition and breeding site quality. <i>Integrative Zoology</i> , <b>2018</b> , 13, 569-578	1.9	5
35	An automated method for the measurement of methaemoglobin in avian blood. <i>Veterinary Journal</i> , <b>2008</b> , 176, 405-7	2.5	5
34	Mercury and selenium levels in eggs of common terns ( <i>Sterna hirundo</i> ) from two breeding colonies in the Ebro Delta, Spain. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2003</b> , 70, 71-7	2.7	5
33	Egg Overspray with Herbicides and Fungicides Reduces Survival of Red-Legged Partridge Chicks. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 12402-12411	10.3	5
32	Metals and metalloids in freshwater fish from the floodplain of Tablas de Daimiel National Park, Spain. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 208, 111602	7	5
31	Dietary canthaxanthin reduces xanthophyll uptake and red coloration in adult red-legged partridges. <i>Journal of Experimental Biology</i> , <b>2018</b> , 221,	3	5
30	An outbreak of thiram poisoning on Spanish poultry farms. <i>Veterinary and Human Toxicology</i> , <b>1996</b> , 38, 287-8		5
29	Age-dependent changes in essential elements and oxidative stress biomarkers in blood of red deer and vulnerability to nutritional deficiencies. <i>Science of the Total Environment</i> , <b>2018</b> , 626, 340-348	10.2	4
28	Accumulation of pollutants in nestlings of an endangered avian scavenger related to territory urbanization and physiological biomarkers. <i>Environmental Pollution</i> , <b>2019</b> , 252, 1801-1809	9.3	4
27	Use of grit supplements by waterbirds: an experimental assessment of strategies to reduce lead poisoning. <i>European Journal of Wildlife Research</i> , <b>2011</b> , 57, 475-484	2	4
26	Organochlorine residues in fishes from two rivers in Cantabria, Spain: implications for a program of otter ( <i>Lutra lutra</i> ) reintroduction. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2005</b> , 75, 143-8	2.7	4
25	p,p'TDDE Residues in Eggs of European Kestrel <i>Falco tinnunculus</i> from Tenerife, Canary Islands, Spain. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2000</b> , 65, 780-785	2.7	4
24	Effect of mineral supplementation on lead bioavailability and toxicity biomarkers in sheep exposed to mining pollution. <i>Environmental Research</i> , <b>2021</b> , 196, 110364	7.9	4

23	Conditioned odor aversion as a tool for reducing post-release predation during animal translocations. <i>Animal Conservation</i> , <b>2021</b> , 24, 373-385	3.2	4
22	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> , <b>2020</b> , 265, 115012	9.3	3
21	Identification of optimal concentrations and incubation times for the study of in vitro effects of Pb in ram spermatozoa. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2013</b> , 91, 197-201	2.7	3
20	Organochlorine residues in normal and lead poisoned greater flamingos: Relationships with the fatty acid composition. <i>Journal of Environmental Science and Health Part A: Environmental Science and Engineering</i> , <b>1997</b> , 32, 853-863		3
19	An In Vitro Evaluation of Biochemical Processes Involved in Lead-Induced Changes on Ram Spermatozoa. <i>Reproduction in Domestic Animals</i> , <b>2016</b> , 51, 421-7	1.6	3
18	Conditioned food aversion in domestic dogs induced by thiram. <i>Pest Management Science</i> , <b>2020</b> , 76, 568-574	4.74	3
17	Plasticity in daily activity patterns of a key prey species in the Iberian Peninsula to reduce predation risk. <i>Wildlife Research</i> , <b>2021</b> , 48, 481	1.8	3
16	A review of constraints and solutions for collecting raptor samples and contextual data for a European Raptor Biomonitoring Facility. <i>Science of the Total Environment</i> , <b>2021</b> , 793, 148599	10.2	3
15	An assessment of eggshell pigments as non-invasive biomarkers of organochlorine pollutants in gull-billed tern. <i>Science of the Total Environment</i> , <b>2020</b> , 732, 139210	10.2	2
14	In vitro assessment of mineral blocks as a cost-effective measure to reduce oral bioavailability of lead (Pb) in livestock. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 25563-25571	5.1	2
13	Improved analysis of fatty acid anilides: application to toxic and to aniline and citric acid-containing oils. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>1996</b> , 56, 351-8	2.7	2
12	Effects of Agricultural Management Policies on the Exposure of Black-Winged Stilts ( <i>Himantopus himantopus</i> ) Chicks to Cholinesterase-Inhibiting Pesticides in Rice Fields. <i>PLoS ONE</i> , <b>2015</b> , 10, e0126738	3.7	2
11	Avoidance of neonicotinoid-treated seeds and cotyledons by captive eared doves ( <i>Zenaida auriculata</i> , Columbidae).. <i>Environmental Pollution</i> , <b>2022</b> , 119237	9.3	2
10	Factors influencing lead, mercury and other trace element exposure in birds from metal mining areas. <i>Environmental Research</i> , <b>2022</b> , 212, 113575	7.9	2
9	Bird exposure to fungicides through the consumption of treated seeds: A study of wild red-legged partridges in central Spain. <i>Environmental Pollution</i> , <b>2022</b> , 292, 118335	9.3	1
8	Nutrient enrichment and trace element accumulation in sediments caused by waterbird colonies at a Mediterranean semiarid floodplain. <i>Science of the Total Environment</i> , <b>2021</b> , 777, 145748	10.2	1
7	Effects on carrion consumption in a mammalian scavenger community when dominant species are excluded. <i>Mammalian Biology</i> , 1	1.6	1
6	Weasel exposure to the anticoagulant rodenticide bromadiolone in agrarian landscapes of southwestern Europe.. <i>Science of the Total Environment</i> , <b>2022</b> , 155914	10.2	1

5	Poisoned chalice: Use of transformed landscapes associated with increased persistent organic pollutant concentrations and potential immune effects for an adaptable carnivore.. <i>Science of the Total Environment</i> , <b>2022</b> , 822, 153581	10.2	0
4	The effectiveness of conditioned aversion in wolves: Insights from experimental tests. <i>Behavioural Processes</i> , <b>2020</b> , 181, 104259	1.6	0
3	Wildlife Research: Towards a Better Coexistence Between People and Wildlife. <i>Wildlife Research Monographs</i> , <b>2016</b> , 283-293	1.4	
2	Trends in Wildlife Research: A Bibliometric Approach. <i>Wildlife Research Monographs</i> , <b>2016</b> , 1-28	1.4	
1	Organochlorine Residues in Tissues of Striped Dolphins Affected by the 1990 Mediterranean Epizootic: Relationships with the Fatty Acid Composition. <i>Archives of Environmental Contamination and Toxicology</i> , <b>1996</b> , 30, 79-83	3.2	