

Andreu Rico

List of Publications by Year in descending order

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79
papers

3,802
citations

147566

31
h-index

138251

58
g-index

81
all docs

81
docs citations

81
times ranked

4032
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmaceutical pollution of the world's rivers. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	495
2	Use of veterinary medicines, feed additives and probiotics in four major internationally traded aquaculture species farmed in Asia. Aquaculture, 2013, 412-413, 231-243.	1.7	288
3	Use of chemicals and biological products in Asian aquaculture and their potential environmental risks: a critical review. Reviews in Aquaculture, 2012, 4, 75-93.	4.6	209
4	Unpacking factors influencing antimicrobial use in global aquaculture and their implication for management: a review from a systems perspective. Sustainability Science, 2018, 13, 1105-1120.	2.5	147
5	Use, fate and ecological risks of antibiotics applied in tilapia cage farming in Thailand. Environmental Pollution, 2014, 191, 8-16.	3.7	132
6	Ecological risk assessment of the antibiotic enrofloxacin applied to Pangasius catfish farms in the Mekong Delta, Vietnam. Chemosphere, 2015, 119, 407-414.	4.2	114
7	Probabilistic risk assessment of veterinary medicines applied to four major aquaculture species produced in Asia. Science of the Total Environment, 2014, 468-469, 630-641.	3.9	107
8	Evaluating aquatic invertebrate vulnerability to insecticides based on intrinsic sensitivity, biological traits, and toxic mode of action. Environmental Toxicology and Chemistry, 2015, 34, 1907-1917.	2.2	99
9	Toward sustainable environmental quality: Priority research questions for Europe. Environmental Toxicology and Chemistry, 2018, 37, 2281-2295.	2.2	98
10	Measuring the potential for sustainable intensification of aquaculture in Bangladesh using life cycle assessment. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2958-2963.	3.3	90
11	An assessment of chemical and biological product use in aquaculture in Bangladesh. Aquaculture, 2016, 454, 199-209.	1.7	87
12	Effects of water scarcity and chemical pollution in aquatic ecosystems: State of the art. Science of the Total Environment, 2016, 572, 390-403.	3.9	83
13	Effects of malathion and carbendazim on Amazonian freshwater organisms: comparison of tropical and temperate species sensitivity distributions. Ecotoxicology, 2011, 20, 625-634.	1.1	75
14	Occurrence and ecological risks of pharmaceuticals in a Mediterranean river in Eastern Spain. Environment International, 2020, 144, 106004.	4.8	74
15	Lethal and sub-lethal effects of five pesticides used in rice farming on the earthworm Eisenia fetida. Ecotoxicology and Environmental Safety, 2016, 127, 222-229.	2.9	70
16	Comparison of Asian Aquaculture Products by Use of Statistically Supported Life Cycle Assessment. Environmental Science & Technology, 2015, 49, 14176-14183.	4.6	58
17	Identification of contaminants of concern in the upper Tagus river basin (central Spain). Part 1: Screening, quantitative analysis and comparison of sampling methods. Science of the Total Environment, 2019, 666, 1058-1070.	3.9	56
18	Developing ecological scenarios for the prospective aquatic risk assessment of pesticides. Integrated Environmental Assessment and Management, 2016, 12, 510-521.	1.6	54

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19	A probabilistic approach to assess antibiotic resistance development risks in environmental compartments and its application to an intensive aquaculture production scenario. <i>Environmental Pollution</i> , 2017, 231, 918-928.	3.7	54
20	Effects of the antibiotic enrofloxacin on the ecology of tropical eutrophic freshwater microcosms. <i>Aquatic Toxicology</i> , 2014, 147, 92-104.	1.9	53
21	Relative influence of chemical and non-chemical stressors on invertebrate communities: a case study in the Danube River. <i>Science of the Total Environment</i> , 2016, 571, 1370-1382.	3.9	53
22	Spatio-temporal distribution of microplastics in a Mediterranean river catchment: The importance of wastewater as an environmental pathway. <i>Journal of Hazardous Materials</i> , 2021, 420, 126481.	6.5	53
23	Risk assessment of pesticides used in rice-prawn concurrent systems in Bangladesh. <i>Science of the Total Environment</i> , 2016, 568, 498-506.	3.9	51
24	Effects of imidacloprid and a neonicotinoid mixture on aquatic invertebrate communities under Mediterranean conditions. <i>Aquatic Toxicology</i> , 2018, 204, 130-143.	1.9	50
25	Hospital discharges in urban sanitation systems: Long-term monitoring of wastewater resistome and microbiota in relationship to their eco-exposome. <i>Water Research X</i> , 2020, 7, 100045.	2.8	49
26	Combined effects of heatwaves and micropollutants on freshwater ecosystems: Towards an integrated assessment of extreme events in multiple stressors research. <i>Global Change Biology</i> , 2022, 28, 1248-1267.	4.2	47
27	Environmental and human health risks of antimicrobials used in <i>Fenneropenaeus chinensis</i> aquaculture production in China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 15689-15702.	2.7	41
28	Identification of contaminants of concern in the upper Tagus river basin (central Spain). Part 2: Spatio-temporal analysis and ecological risk assessment. <i>Science of the Total Environment</i> , 2019, 667, 222-233.	3.9	39
29	Assessing population exposure to phthalate plasticizers in thirteen Spanish cities through the analysis of wastewater. <i>Journal of Hazardous Materials</i> , 2021, 401, 123272.	6.5	39
30	Fate of microplastics in agricultural soils amended with sewage sludge: Is surface water runoff a relevant environmental pathway?. <i>Environmental Pollution</i> , 2022, 293, 118520.	3.7	37
31	An evaluation of fish health-management practices and occupational health hazards associated with <i>Pangasius catfish</i> (<i>Pangasianodon hypophthalmus</i>) aquaculture in the Mekong Delta, Vietnam. <i>Aquaculture Research</i> , 2016, 47, 2778-2794.	0.9	35
32	Pharmaceuticals and other urban contaminants threaten Amazonian freshwater ecosystems. <i>Environment International</i> , 2021, 155, 106702.	4.8	33
33	An optimized sample treatment method for the determination of antibiotics in seawater, marine sediments and biological samples using LC-TOF/MS. <i>Science of the Total Environment</i> , 2018, 643, 994-1004.	3.9	31
34	The embodiment of wastewater data for the estimation of illicit drug consumption in Spain. <i>Science of the Total Environment</i> , 2021, 772, 144794.	3.9	31
35	Assessing alcohol consumption through wastewater-based epidemiology: Spain as a case study. <i>Drug and Alcohol Dependence</i> , 2020, 215, 108241.	1.6	30
36	Biodiversity impacts by multiple anthropogenic stressors in Mediterranean coastal wetlands. <i>Science of the Total Environment</i> , 2022, 818, 151712.	3.9	30

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37	Effects of temperature, genetic variation and species competition on the sensitivity of algae populations to the antibiotic enrofloxacin. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 228-236.	2.9	29
38	Effect of Parathion-Methyl on Amazonian Fish and Freshwater Invertebrates: A Comparison of Sensitivity with Temperate Data. <i>Archives of Environmental Contamination and Toxicology</i> , 2010, 58, 765-771.	2.1	28
39	Toward refined environmental scenarios for ecological risk assessment of down-the-drain chemicals in freshwater environments. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 233-248.	1.6	28
40	An assessment of health management practices and occupational health hazards in tiger shrimp (<i>Penaeus monodon</i>) and freshwater prawn (<i>Macrobrachium rosenbergii</i>) aquaculture in Bangladesh. <i>Veterinary and Animal Science</i> , 2018, 5, 10-19.	0.6	27
41	Fish farming, metals and antibiotics in the eastern Mediterranean Sea: Is there a threat to sediment wildlife?. <i>Science of the Total Environment</i> , 2021, 764, 142843.	3.9	27
42	Effects of anthropogenic pollution and hydrological variation on macroinvertebrates in Mediterranean rivers: A case-study in the upper Tagus river basin (Spain). <i>Science of the Total Environment</i> , 2021, 766, 144044.	3.9	27
43	Wide-scope screening of pharmaceuticals, illicit drugs and their metabolites in the Amazon River. <i>Water Research</i> , 2021, 200, 117251.	5.3	27
44	Reconciling monitoring and modeling: An appraisal of river monitoring networks based on a spatial autocorrelation approach - emerging pollutants in the Danube River as a case study. <i>Science of the Total Environment</i> , 2018, 618, 323-335.	3.9	26
45	Ecological risk assessment of pesticides in urban streams of the Brazilian Amazon. <i>Chemosphere</i> , 2022, 291, 132821.	4.2	26
46	Freshwater shrimps as sensitive test species for the risk assessment of pesticides in the tropics. <i>Environmental Science and Pollution Research</i> , 2018, 25, 13235-13243.	2.7	25
47	First nation-wide estimation of tobacco consumption in Spain using wastewater-based epidemiology. <i>Science of the Total Environment</i> , 2020, 741, 140384.	3.9	24
48	Effects of multiple stressors on the dimensionality of ecological stability. <i>Ecology Letters</i> , 2021, 24, 1594-1606.	3.0	24
49	MODELING ENVIRONMENTAL AND HUMAN HEALTH RISKS OF VETERINARY MEDICINAL PRODUCTS APPLIED IN POND AQUACULTURE. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 1196-1207.	2.2	22
50	Species interactions and chemical stress: Combined effects of intraspecific and interspecific interactions and pyrene on <i>Daphnia magna</i> population dynamics. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1751-1759.	2.2	22
51	Antimicrobial use in aquaculture: Some complementing facts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3317.	3.3	21
52	Effects of increased temperature, drought, and an insecticide on freshwater zooplankton communities. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 396-411.	2.2	21
53	Ciliates as model organisms for the ecotoxicological risk assessment of heavy metals: A meta-analysis. <i>Ecotoxicology and Environmental Safety</i> , 2020, 199, 110669.	2.9	21
54	Effects of aquaculture waste feeds and antibiotics on marine benthic ecosystems in the Mediterranean Sea. <i>Science of the Total Environment</i> , 2022, 806, 151190.	3.9	21

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55	Effect of multiple agricultural stressors on freshwater ecosystems: The role of community structure, trophic status, and biodiversity-functioning relationships on ecosystem responses. <i>Science of the Total Environment</i> , 2022, 807, 151052.	3.9	21
56	Is the Effect Assessment Approach for Fungicides as Laid Down in the European Food Safety Authority Aquatic Guidance Document Sufficiently Protective for Freshwater Ecosystems?. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2279-2293.	2.2	20
57	Occurrence, Fate and Fluxes of Plastics and Microplastics in Terrestrial and Freshwater Ecosystems. <i>Reviews of Environmental Contamination and Toxicology</i> , 2020, 250, 1-43.	0.7	19
58	Multiple stressors in Mediterranean coastal wetland ecosystems: Influence of salinity and an insecticide on zooplankton communities under different temperature conditions. <i>Chemosphere</i> , 2021, 269, 129381.	4.2	17
59	Is the chronic Tier-1 effect assessment approach for insecticides protective for aquatic ecosystems?. <i>Integrated Environmental Assessment and Management</i> , 2016, 12, 747-758.	1.6	16
60	Use of models for the environmental risk assessment of veterinary medicines in European aquaculture: current situation and future perspectives. <i>Reviews in Aquaculture</i> , 2019, 11, 969-988.	4.6	16
61	Use of Postregistration Monitoring Data to Evaluate the Ecotoxicological Risks of Pesticides to Surface Waters: A Case Study with Chlorpyrifos in the Iberian Peninsula. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 500-512.	2.2	16
62	Effects of intra- and interspecific competition on the sensitivity of <i>Daphnia magna</i> populations to the fungicide carbendazim. <i>Ecotoxicology</i> , 2015, 24, 1362-1371.	1.1	15
63	Influence of microplastics on the bioconcentration of organic contaminants in fish: Is the "Trojan horse" effect a matter of concern?. <i>Environmental Pollution</i> , 2022, 306, 119473.	3.7	15
64	Ecological risk assessment of pesticides in the Mijares River (eastern Spain) impacted by citrus production using wide-scope screening and target quantitative analysis. <i>Journal of Hazardous Materials</i> , 2021, 412, 125277.	6.5	13
65	Effects of intra- and interspecific competition on the sensitivity of aquatic macroinvertebrates to carbendazim. <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 27-34.	2.9	12
66	Interaction between stress induced by competition, predation, and an insecticide on the response of aquatic invertebrates. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2485-2492.	2.2	12
67	Ecotoxicity assessment of microcystins from freshwater samples using a bioluminescent cyanobacterial bioassay. <i>Chemosphere</i> , 2020, 240, 124966.	4.2	10
68	Influence of pH on the toxicity of ionisable pharmaceuticals and personal care products to freshwater invertebrates. <i>Ecotoxicology and Environmental Safety</i> , 2020, 191, 110172.	2.9	10
69	Double constrained ordination for assessing biological trait responses to multiple stressors: A case study with benthic macroinvertebrate communities. <i>Science of the Total Environment</i> , 2021, 754, 142171.	3.9	9
70	The Concept of Resilience in Ecological Risk Assessment: Scientific and Regulatory Issues. <i>Integrated Environmental Assessment and Management</i> , 2018, 14, 581-585.	1.6	8
71	Micro and Nano-Plastics in the Environment: Research Priorities for the Near Future. <i>Reviews of Environmental Contamination and Toxicology</i> , 2021, 257, 163-218.	0.7	8
72	The potential for using red claw crayfish and hybrid African catfish as biological control agents for <i>Schistosoma</i> host snails. <i>African Journal of Aquatic Science</i> , 2017, 42, 235-243.	0.5	7

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73	Eutrophic status influences the impact of pesticide mixtures and predation on <i>Daphnia pulex</i> populations. <i>Ecology and Evolution</i> , 2021, 11, 4046-4057.	0.8	6
74	Food web rewiring drives long-term compositional differences and late-disturbance interactions at the community level. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2117364119.	3.3	6
75	ECORISK2050: An Innovative Training Network for predicting the effects of global change on the emission, fate, effects, and risks of chemicals in aquatic ecosystems. <i>Open Research Europe</i> , 0, 1, 154.	2.0	3
76	Effects of silver sulfide nanoparticles on the earthworm <i>Eisenia andrei</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022, 257, 109355.	1.3	2
77	Length-mass relationships for macroinvertebrates in the Choghakhor international wetland, Iran. <i>Biologia (Poland)</i> , 2021, 76, 645-653.	0.8	1
78	Using life history trait variation to inform ecological risk assessments for threatened and endangered plant species. <i>Integrated Environmental Assessment and Management</i> , 2023, 19, 213-223.	1.6	1
79	ECORISK2050: An Innovative Training Network for predicting the effects of global change on the emission, fate, effects, and risks of chemicals in aquatic ecosystems. <i>Open Research Europe</i> , 0, 1, 154.	2.0	0