

# Isabel Muoz

## List of Publications by Year in Descending Order

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

116  
papers

4,114  
citations

38  
h-index

60  
g-index

118  
ext. papers

4,540  
ext. citations

5.5  
avg, IF

5.13  
L-index

#	Paper	IF	Citations
116	The Iberian rivers <b>2022</b> , 181-224		1
115	Contrary effects of flow intermittence and land uses on organic matter decomposition in a Mediterranean river basin. <i>Science of the Total Environment</i> , <b>2021</b> , 812, 151424	10.2	0
114	Energy limitation or sensitive predators? Trophic and non-trophic impacts of wastewater pollution on stream food webs. <i>Ecology</i> , <b>2021</b> , e03587	4.6	1
113	Historical legacies and contemporary processes shape beta diversity in Neotropical montane streams. <i>Journal of Biogeography</i> , <b>2021</b> , 48, 101-117	4.1	2
112	Unravelling the effects of multiple stressors on diatom and macroinvertebrate communities in European river basins using structural and functional approaches. <i>Science of the Total Environment</i> , <b>2020</b> , 742, 140543	10.2	7
111	Historical processes constrain metacommunity structure by shaping different pools of invertebrate taxa within the Orinoco basin. <i>Diversity and Distributions</i> , <b>2020</b> , 26, 49-61	5	10
110	Subsurface zones in intermittent streams are hotspots of microbial decomposition during the non-flow period. <i>Science of the Total Environment</i> , <b>2020</b> , 703, 135485	10.2	10
109	Responses of a native and a recent invader snail to warming and dry conditions: the case of the lower Ebro River. <i>Aquatic Ecology</i> , <b>2019</b> , 53, 497-508	1.9	1
108	Uptake and trophic transfer of nitrogen and carbon in a temperate forested headwater stream. <i>Aquatic Sciences</i> , <b>2019</b> , 81, 1	2.5	3
107	Assessing the effects of hydrological and chemical stressors on macroinvertebrate community in an Alpine river: The Adige River as a case study. <i>River Research and Applications</i> , <b>2019</b> , 35, 78-87	2.3	7
106	Invertebrate community responses to urban wastewater effluent pollution under different hydro-morphological conditions. <i>Environmental Pollution</i> , <b>2019</b> , 252, 483-492	9.3	16
105	Effects of olive mill wastewater discharge on benthic biota in Mediterranean streams. <i>Environmental Pollution</i> , <b>2019</b> , 254, 113057	9.3	9
104	Small-scale spatial variations of trawling impact on food web structure. <i>Ecological Indicators</i> , <b>2019</b> , 98, 442-452	5.8	13
103	Dam regulation and riverine food-web structure in a Mediterranean river. <i>Science of the Total Environment</i> , <b>2018</b> , 625, 301-310	10.2	30
102	Does the severity of non-flow periods influence ecosystem structure and function of temporary streams? A mesocosm study. <i>Freshwater Biology</i> , <b>2018</b> , 63, 613-625	3.1	8
101	Assessing the ecological effects of water stress and pollution in a temporary river - Implications for water management. <i>Science of the Total Environment</i> , <b>2018</b> , 618, 1591-1604	10.2	38
100	Effects of urban wastewater on hyporheic habitat and invertebrates in Mediterranean streams. <i>Science of the Total Environment</i> , <b>2018</b> , 642, 937-945	10.2	11

99	Effects of human-driven water stress on river ecosystems: a meta-analysis. <i>Scientific Reports</i> , <b>2018</b> , 8, 11462	4.9	70
98	Trophic network of aquatic macroinvertebrates along an altitudinal gradient in a Neotropical mountain river. <i>Revista Brasileira De Entomologia</i> , <b>2018</b> , 62, 180-187	0.9	2
97	Quality and quantity of leaf litter: Both are important for feeding preferences and growth of an aquatic shredder. <i>PLoS ONE</i> , <b>2018</b> , 13, e0208272	3.7	9
96	Associations between school lunch consumption and urinary phthalate metabolite concentrations in US children and adolescents: Results from NHANES 2003-2014. <i>Environment International</i> , <b>2018</b> , 121, 287-295	12.9	13
95	Effects of flow regulation on river bed dynamics and invertebrate communities in a Mediterranean river. <i>Hydrobiologia</i> , <b>2017</b> , 784, 283-304	2.4	15
94	Biochemical quality of basal resources in a forested stream: effects of nutrient enrichment. <i>Aquatic Sciences</i> , <b>2017</b> , 79, 99-112	2.5	3
93	Trophic mechanisms underlying benthic-demersal community recovery in the north-east Atlantic. <i>Journal of Applied Ecology</i> , <b>2017</b> , 54, 1957-1967	5.8	6
92	River ecosystem processes: A synthesis of approaches, criteria of use and sensitivity to environmental stressors. <i>Science of the Total Environment</i> , <b>2017</b> , 596-597, 465-480	10.2	66
91	Environmental stressors as a driver of the trait composition of benthic macroinvertebrate assemblages in polluted Iberian rivers. <i>Environmental Research</i> , <b>2017</b> , 156, 485-493	7.9	39
90	Evidence of low dose effects of the antidepressant fluoxetine and the fungicide prochloraz on the behavior of the keystone freshwater invertebrate <i>Gammarus pulex</i> . <i>Environmental Pollution</i> , <b>2017</b> , 231, 406-414	9.3	30
89	Bottom-up effects of streambed drying on consumer performance through changes in resource quality. <i>Aquatic Sciences</i> , <b>2017</b> , 79, 719-731	2.5	4
88	Sediment size distribution and composition in a reservoir affected by severe water level fluctuations. <i>Science of the Total Environment</i> , <b>2016</b> , 540, 158-67	10.2	30
87	Ecotoxicity of sediments in rivers: Invertebrate community, toxicity bioassays and the toxic unit approach as complementary assessment tools. <i>Science of the Total Environment</i> , <b>2016</b> , 540, 297-306	10.2	78
86	Ecotoxicological risk assessment of chemical pollution in four Iberian river basins and its relationship with the aquatic macroinvertebrate community status. <i>Science of the Total Environment</i> , <b>2016</b> , 540, 324-33	10.2	61
85	Influence of grazing on triclosan toxicity to stream periphyton. <i>Freshwater Biology</i> , <b>2016</b> , 61, 2002-2012	3.1	17
84	Shared effects of organic microcontaminants and environmental stressors on biofilms and invertebrates in impaired rivers. <i>Environmental Pollution</i> , <b>2016</b> , 210, 303-14	9.3	47
83	El Niño southern oscillation and seasonal drought drive riparian input dynamics in a Mediterranean stream. <i>Limnology and Oceanography</i> , <b>2016</b> , 61, 214-226	4.8	9
82	When Water Vanishes: Magnitude and Regulation of Carbon Dioxide Emissions from Dry Temporary Streams. <i>Ecosystems</i> , <b>2016</b> , 19, 710-723	3.9	54

81	Heterogeneity in leaf litter decomposition in a temporary Mediterranean stream during flow fragmentation. <i>Science of the Total Environment</i> , <b>2016</b> , 553, 330-339	10.2	41
80	Flow regulation increases food-chain length through omnivory mechanisms in a Mediterranean river network. <i>Freshwater Biology</i> , <b>2016</b> , 61, 1536-1549	3.1	20
79	Life-history strategies constrain invertebrate community tolerance to multiple stressors: A case study in the Ebro basin. <i>Science of the Total Environment</i> , <b>2016</b> , 572, 196-206	10.2	34
78	Effects of water flow regulation on ecosystem functioning in a Mediterranean river network assessed by wood decomposition. <i>Science of the Total Environment</i> , <b>2015</b> , 517, 57-65	10.2	19
77	Hot spots for carbon emissions from Mediterranean fluvial networks during summer drought. <i>Biogeochemistry</i> , <b>2015</b> , 125, 409-426	3.8	42
76	Effects of increased water temperature on leaf litter quality and detritivore performance: a whole-reach manipulative experiment. <i>Freshwater Biology</i> , <b>2015</b> , 60, 184-197	3.1	19
75	Transcriptomic, biochemical and individual markers in transplanted <i>Daphnia magna</i> to characterize impacts in the field. <i>Science of the Total Environment</i> , <b>2015</b> , 503-504, 200-12	10.2	12
74	Invertebrate community responses to emerging water pollutants in Iberian river basins. <i>Science of the Total Environment</i> , <b>2015</b> , 503-504, 142-50	10.2	27
73	Managing the effects of multiple stressors on aquatic ecosystems under water scarcity. The GLOBAQUA project. <i>Science of the Total Environment</i> , <b>2015</b> , 503-504, 3-9	10.2	128
72	Consequences of warming and resource quality on the stoichiometry and nutrient cycling of a stream shredder. <i>PLoS ONE</i> , <b>2015</b> , 10, e0118520	3.7	21
71	Effects of Emerging Contaminants on Biodiversity, Community Structure, and Adaptation of River Biota. <i>Handbook of Environmental Chemistry</i> , <b>2015</b> , 79-119	0.8	3
70	Assessment of multi-chemical pollution in aquatic ecosystems using toxic units: compound prioritization, mixture characterization and relationships with biological descriptors. <i>Science of the Total Environment</i> , <b>2014</b> , 468-469, 715-23	10.2	71
69	Effects of a fungicide (imazalil) and an insecticide (diazinon) on stream fungi and invertebrates associated with litter breakdown. <i>Science of the Total Environment</i> , <b>2014</b> , 476-477, 532-41	10.2	36
68	Stoichiometric homeostasis in the food web of a chronically nutrient-rich stream. <i>Freshwater Science</i> , <b>2014</b> , 33, 820-831	2	16
67	Is reproduction of the snail <i>Physella acuta</i> affected by endocrine disrupting compounds? An in situ bioassay in three Iberian basins. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 263 Pt 1, 248-55	12.8	19
66	Pollution in mediterranean-climate rivers. <i>Hydrobiologia</i> , <b>2013</b> , 719, 427-450	2.4	23
65	Bottom-up effects on freshwater bacterivorous nematode populations: a microcosm approach. <i>Hydrobiologia</i> , <b>2013</b> , 707, 159-172	2.4	15
64	Macroinvertebrate trophic responses to nutrient addition in a temperate stream in South America. <i>Fundamental and Applied Limnology</i> , <b>2013</b> , 182, 17-30	1.9	17

63	Global pressures, specific responses: effects of nutrient enrichment in streams from different biomes. <i>Environmental Research Letters</i> , <b>2013</b> , 8, 014002	6.2	19
62	Analysis of monitoring programmes and their suitability for ecotoxicological risk assessment in four Spanish basins. <i>Science of the Total Environment</i> , <b>2012</b> , 440, 194-203	10.2	33
61	Effects of indomethacin and propranolol on <i>Chironomus riparius</i> and <i>Physella</i> ( <i>Costatella</i> ) <i>acuta</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2012</b> , 78, 110-5	7	18
60	Assessing the impact of chemical pollution on benthic invertebrates from three different European rivers using a weight-of-evidence approach. <i>Science of the Total Environment</i> , <b>2012</b> , 438, 498-509	10.2	37
59	Establishing potential links between the presence of alkylphenolic compounds and the benthic community in a European river basin. <i>Environmental Science and Pollution Research</i> , <b>2012</b> , 19, 934-45	5.1	8
58	Assessing and forecasting the impacts of global change on Mediterranean rivers. The SCARCE Consolider project on Iberian basins. <i>Environmental Science and Pollution Research</i> , <b>2012</b> , 19, 918-33	5.1	43
57	Meiofaunal responses to nutrient additions in a Mediterranean stream. <i>Freshwater Biology</i> , <b>2012</b> , 57, 956-968	3.1	4
56	How to Link Field Observations with Causality? Field and Experimental Approaches Linking Chemical Pollution with Ecological Alterations. <i>Handbook of Environmental Chemistry</i> , <b>2012</b> , 181-218	0.8	9
55	The Effect of Multiple Stressors on Biological Communities in the Llobregat. <i>Handbook of Environmental Chemistry</i> , <b>2012</b> , 93-116	0.8	2
54	Evaluating Ecological Integrity in Multistressed Rivers: From the Currently Used Biotic Indices to Newly Developed Approaches Using Biofilms and Invertebrates. <i>Handbook of Environmental Chemistry</i> , <b>2012</b> , 219-241	0.8	2
53	Long-term moderate nutrient inputs enhance autotrophy in a forested Mediterranean stream. <i>Freshwater Biology</i> , <b>2011</b> , 56, 1266-1280	3.1	38
52	Combined scenarios of chemical and ecological quality under water scarcity in Mediterranean rivers. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2011</b> , 30, 1269-1278	14.6	82
51	Organic matter characteristics in a Mediterranean stream through amino acid composition: changes driven by intermittency. <i>Aquatic Sciences</i> , <b>2011</b> , 73, 523-535	2.5	29
50	Fungal and Bacterial Colonization of Submerged Leaf Litter in a Mediterranean Stream. <i>International Review of Hydrobiology</i> , <b>2011</b> , 96, 221-234	2.3	22
49	The Physical Framework and Historic Human Influences in the Ebro River. <i>Handbook of Environmental Chemistry</i> , <b>2010</b> , 1-20	0.8	5
48	Aquatic and Riparian Biodiversity in the Ebro Watershed: Prospects and Threats. <i>Handbook of Environmental Chemistry</i> , <b>2010</b> , 121-138	0.8	2
47	Environmental risk assessment of pharmaceuticals in rivers: relationships between hazard indexes and aquatic macroinvertebrate diversity indexes in the Llobregat River (NE Spain). <i>Environment International</i> , <b>2010</b> , 36, 153-62	12.9	306
46	Species traits and resilience of meiofauna to floods and drought in a Mediterranean stream. <i>Marine and Freshwater Research</i> , <b>2010</b> , 61, 1336	2.2	15

45	Does grazing pressure modify diuron toxicity in a biofilm community?. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2010</b> , 58, 955-62	3.2	32
44	MODELKEY. <i>Environmental Sciences Europe</i> , <b>2010</b> , 22, 217-228	5	7
43	Organic matter availability during pre- and post-drought periods in a Mediterranean stream. <i>Hydrobiologia</i> , <b>2010</b> , 657, 217-232	2.4	66
42	Comparing fish assemblages and trophic ecology of permanent and intermittent reaches in a Mediterranean stream. <i>Hydrobiologia</i> , <b>2010</b> , 657, 167-180	2.4	51
41	Primary and complex stressors in polluted mediterranean rivers: Pesticide effects on biological communities. <i>Journal of Hydrology</i> , <b>2010</b> , 383, 52-61	6	130
40	Invertebrate communities in soft sediments along a pollution gradient in a Mediterranean river (Llobregat, NE Spain) <b>2010</b> , 29, 311-322		19
39	Organic matter availability during pre- and post-drought periods in a Mediterranean stream <b>2010</b> , 217-232		1
38	Comparing fish assemblages and trophic ecology of permanent and intermittent reaches in a Mediterranean stream <b>2010</b> , 167-180		1
37	The Iberian Rivers <b>2009</b> , 113-149		39
36	Organic matter availability structures microbial biomass and activity in a Mediterranean stream. <i>Freshwater Biology</i> , <b>2009</b> , 54, 2025-2036	3.1	47
35	Is chemical contamination linked to the diversity of biological communities in rivers?. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2009</b> , 28, 592-602	14.6	34
34	The relevance of the community approach linking chemical and biological analyses in pollution assessment. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2009</b> , 28, 619-626	14.6	39
33	Bridging levels of pharmaceuticals in river water with biological community structure in the Llobregat River basin (northeast Spain). <i>Environmental Toxicology and Chemistry</i> , <b>2009</b> , 28, 2706-14	3.8	155
32	Contribution of microbial and invertebrate communities to leaf litter colonization in a Mediterranean stream. <i>Journal of the North American Benthological Society</i> , <b>2009</b> , 28, 34-43		22
31	Toward an integrated assessment of the ecological and chemical status of European river basins. <i>Integrated Environmental Assessment and Management</i> , <b>2009</b> , 5, 50-61	2.5	71
30	Effect of climate on the trophic structure of temperate forested streams. a comparison of Mediterranean and Atlantic streams. <i>Science of the Total Environment</i> , <b>2008</b> , 390, 475-84	10.2	48
29	Meteorological and riparian influences on organic matter dynamics in a forested Mediterranean stream. <i>Journal of the North American Benthological Society</i> , <b>2007</b> , 26, 54-69		75
28	The nematode community in cyanobacterial biofilms in the river Llobregat, Spain. <i>Nematology</i> , <b>2006</b> , 8, 909-919	0.9	33

27	Effects of short-term nutrient addition on microfauna density in a Mediterranean stream. <i>Hydrobiologia</i> , <b>2006</b> , 568, 207-215	2.4	11
26	Drought and postdrought recovery cycles in an intermittent Mediterranean stream: structural and functional aspects. <i>Journal of the North American Benthological Society</i> , <b>2005</b> , 24, 919-933		210
25	MODELKEY. Models for assessing and forecasting the impact of environmental key pollutants on freshwater and marine ecosystems and biodiversity. <i>Environmental Science and Pollution Research</i> , <b>2005</b> , 12, 252-6	5.1	57
24	Effects of nutrient inputs in a forested Mediterranean stream under moderate light availability. <i>Archiv Für Hydrobiologie</i> , <b>2005</b> , 163, 479-496		33
23	Assessing the ecological integrity after nutrient inputs in streams: The relevance of the observation scale. <i>Aquatic Ecosystem Health and Management</i> , <b>2005</b> , 8, 397-403	1.4	2
22	Nuisance odours produced by benthic cyanobacteria in a Mediterranean river. <i>Water Science and Technology</i> , <b>2004</b> , 49, 25-31	2.2	9
21	Flow extremes and benthic organic matter shape the metabolism of a headwater Mediterranean stream. <i>Freshwater Biology</i> , <b>2004</b> , 49, 960-971	3.1	146
20	Biofilm structure and function and possible implications for riverine DOC dynamics. <i>Microbial Ecology</i> , <b>2004</b> , 47, 316-28	4.4	118
19	Ecological factors that co-occur with geosmin production by benthic cyanobacteria. The case of the Llobregat River. <i>Algological Studies</i> , <b>2003</b> , 109, 579-592		6
18	STRUCTURE AND FUNCTION OF BENTHIC ALGAL COMMUNITIES IN AN EXTREMELY ACID RIVER1. <i>Journal of Phycology</i> , <b>2003</b> , 39, 481-489	3	77
17	The effect of copper exposure on a simple aquatic food chain. <i>Aquatic Toxicology</i> , <b>2003</b> , 63, 283-91	5.1	46
16	Ecological implications of mass growth of benthic cyanobacteria in rivers. <i>Aquatic Microbial Ecology</i> , <b>2003</b> , 32, 175-184	1.1	53
15	The effect of biological factors on the efficiency of river biofilms in improving water quality. <i>Hydrobiologia</i> , <b>2002</b> , 469, 149-156	2.4	105
14	Effects of atrazine on periphyton under grazing pressure. <i>Aquatic Toxicology</i> , <b>2001</b> , 55, 239-49	5.1	59
13	<i>Nostoc verrucosum</i> (cyanobacteria) colonized by a chironomid larva in a mediterranean stream (Note) <i>Journal of Phycology</i> , <b>2000</b> , 36, 59-61	3	5
12	Stromatolitic communities in Mediterranean streams: adaptations to a changing environment. <i>Biodiversity and Conservation</i> , <b>2000</b> , 9, 379-392	3.4	16
11	Effects of riparian vegetation removal on nutrient retention in a Mediterranean stream. <i>Journal of the North American Benthological Society</i> , <b>2000</b> , 19, 609-620		111
10	Comparison of extraction methods for the determination of atrazine accumulation in freshwater molluscs ( <i>Physa acuta</i> Drap. and <i>Ancylus fluviatilis</i> Müll, Gastropoda). <i>Water Research</i> , <b>2000</b> , 34, 2846-2848	12.5	16

9	Resource limitation by freshwater snail ( <i>Stagnicola vulnerata</i> ) grazing pressure: an experimental study.. <i>Fundamental and Applied Limnology</i> , <b>2000</b> , 148, 517-532	1.9	12
8	Behavioural and histological effects of atrazine on freshwater molluscs ( <i>Physa acuta</i> Drap. and <i>Ancylus fluviatilis</i> Müll. Gastropoda). <i>Journal of Applied Toxicology</i> , <b>1999</b> , 19, 351-6	4.1	29
7	Changes in atrazine toxicity throughout succession of stream periphyton communities. <i>Journal of Applied Phycology</i> , <b>1997</b> , 9, 137-146	3.2	51
6	Effects of removal of riparian vegetation on algae and heterotrophs in a Mediterranean stream. <i>Hydrobiologia</i> , <b>1997</b> , 6, 129-140		19
5	Macroinvertebrate community in the lower Ebro river (NE Spain). <i>Hydrobiologia</i> , <b>1994</b> , 286, 65-78	2.4	19
4	Successional dynamics of the phytoplankton in the lower part of the river Ebro. <i>Journal of Plankton Research</i> , <b>1990</b> , 12, 573-592	2.2	40
3	Effects of river regulation on the lower Ebro river (NE Spain). <i>River Research and Applications</i> , <b>1989</b> , 3, 345-354		28
2	Diversity mediates the responses of invertebrate density to duration and frequency of riversU annual drying regime. <i>Oikos</i> ,	4	4
1	Fungal Biodiversity Mediates the Effects of Drying on Freshwater Ecosystem Functioning. <i>Ecosystems</i> ,1	3.9	4