

Isabel Muoz

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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	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> , 2010 , 36, 153-62	12.9	306
115	Drought and postdrought recovery cycles in an intermittent Mediterranean stream: structural and functional aspects. <i>Journal of the North American Benthological Society</i> , 2005 , 24, 919-933		210
114	Bridging levels of pharmaceuticals in river water with biological community structure in the Llobregat River basin (northeast Spain). <i>Environmental Toxicology and Chemistry</i> , 2009 , 28, 2706-14	3.8	155
113	Flow extremes and benthic organic matter shape the metabolism of a headwater Mediterranean stream. <i>Freshwater Biology</i> , 2004 , 49, 960-971	3.1	146
112	Primary and complex stressors in polluted mediterranean rivers: Pesticide effects on biological communities. <i>Journal of Hydrology</i> , 2010 , 383, 52-61	6	130
111	Managing the effects of multiple stressors on aquatic ecosystems under water scarcity. The GLOBAQUA project. <i>Science of the Total Environment</i> , 2015 , 503-504, 3-9	10.2	128
110	Biofilm structure and function and possible implications for riverine DOC dynamics. <i>Microbial Ecology</i> , 2004 , 47, 316-28	4.4	118
109	Effects of riparian vegetation removal on nutrient retention in a Mediterranean stream. <i>Journal of the North American Benthological Society</i> , 2000 , 19, 609-620		111
108	The effect of biological factors on the efficiency of river biofilms in improving water quality. <i>Hydrobiologia</i> , 2002 , 469, 149-156	2.4	105
107	Combined scenarios of chemical and ecological quality under water scarcity in Mediterranean rivers. <i>TrAC - Trends in Analytical Chemistry</i> , 2011 , 30, 1269-1278	14.6	82
106	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> , 2016 , 540, 297-306	10.2	78
105	STRUCTURE AND FUNCTION OF BENTHIC ALGAL COMMUNITIES IN AN EXTREMELY ACID RIVER1. <i>Journal of Phycology</i> , 2003 , 39, 481-489	3	77
104	Meteorological and riparian influences on organic matter dynamics in a forested Mediterranean stream. <i>Journal of the North American Benthological Society</i> , 2007 , 26, 54-69		75
103	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> , 2014 , 468-469, 715-23	10.2	71
102	Toward an integrated assessment of the ecological and chemical status of European river basins. <i>Integrated Environmental Assessment and Management</i> , 2009 , 5, 50-61	2.5	71
101	Effects of human-driven water stress on river ecosystems: a meta-analysis. <i>Scientific Reports</i> , 2018 , 8, 11462	4.9	70
100	River ecosystem processes: A synthesis of approaches, criteria of use and sensitivity to environmental stressors. <i>Science of the Total Environment</i> , 2017 , 596-597, 465-480	10.2	66

99	Organic matter availability during pre- and post-drought periods in a Mediterranean stream. <i>Hydrobiologia</i> , 2010 , 657, 217-232	2.4	66
98	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> , 2016 , 540, 324-33	10.2	61
97	Effects of atrazine on periphyton under grazing pressure. <i>Aquatic Toxicology</i> , 2001 , 55, 239-49	5.1	59
96	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> , 2005 , 12, 252-6	5.1	57
95	When Water Vanishes: Magnitude and Regulation of Carbon Dioxide Emissions from Dry Temporary Streams. <i>Ecosystems</i> , 2016 , 19, 710-723	3.9	54
94	Ecological implications of mass growth of benthic cyanobacteria in rivers. <i>Aquatic Microbial Ecology</i> , 2003 , 32, 175-184	1.1	53
93	Comparing fish assemblages and trophic ecology of permanent and intermittent reaches in a Mediterranean stream. <i>Hydrobiologia</i> , 2010 , 657, 167-180	2.4	51
92	Changes in atrazine toxicity throughout succession of stream periphyton communities. <i>Journal of Applied Phycology</i> , 1997 , 9, 137-146	3.2	51
91	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> , 2008 , 390, 475-84	10.2	48
90	Shared effects of organic microcontaminants and environmental stressors on biofilms and invertebrates in impaired rivers. <i>Environmental Pollution</i> , 2016 , 210, 303-14	9.3	47
89	Organic matter availability structures microbial biomass and activity in a Mediterranean stream. <i>Freshwater Biology</i> , 2009 , 54, 2025-2036	3.1	47
88	The effect of copper exposure on a simple aquatic food chain. <i>Aquatic Toxicology</i> , 2003 , 63, 283-91	5.1	46
87	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> , 2012 , 19, 918-33	5.1	43
86	Hot spots for carbon emissions from Mediterranean fluvial networks during summer drought. <i>Biogeochemistry</i> , 2015 , 125, 409-426	3.8	42
85	Heterogeneity in leaf litter decomposition in a temporary Mediterranean stream during flow fragmentation. <i>Science of the Total Environment</i> , 2016 , 553, 330-339	10.2	41
84	Successional dynamics of the phytoplankton in the lower part of the river Ebro. <i>Journal of Plankton Research</i> , 1990 , 12, 573-592	2.2	40
83	Environmental stressors as a driver of the trait composition of benthic macroinvertebrate assemblages in polluted Iberian rivers. <i>Environmental Research</i> , 2017 , 156, 485-493	7.9	39
82	The Iberian Rivers 2009 , 113-149		39

81	The relevance of the community approach linking chemical and biological analyses in pollution assessment. <i>TrAC - Trends in Analytical Chemistry</i> , 2009 , 28, 619-626	14.6	39
80	Assessing the ecological effects of water stress and pollution in a temporary river - Implications for water management. <i>Science of the Total Environment</i> , 2018 , 618, 1591-1604	10.2	38
79	Long-term moderate nutrient inputs enhance autotrophy in a forested Mediterranean stream. <i>Freshwater Biology</i> , 2011 , 56, 1266-1280	3.1	38
78	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> , 2012 , 438, 498-509	10.2	37
77	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> , 2014 , 476-477, 532-41	10.2	36
76	Is chemical contamination linked to the diversity of biological communities in rivers?. <i>TrAC - Trends in Analytical Chemistry</i> , 2009 , 28, 592-602	14.6	34
75	Life-history strategies constrain invertebrate community tolerance to multiple stressors: A case study in the Ebro basin. <i>Science of the Total Environment</i> , 2016 , 572, 196-206	10.2	34
74	Analysis of monitoring programmes and their suitability for ecotoxicological risk assessment in four Spanish basins. <i>Science of the Total Environment</i> , 2012 , 440, 194-203	10.2	33
73	The nematode community in cyanobacterial biofilms in the river Llobregat, Spain. <i>Nematology</i> , 2006 , 8, 909-919	0.9	33
72	Effects of nutrient inputs in a forested Mediterranean stream under moderate light availability. <i>Archiv für Hydrobiologie</i> , 2005 , 163, 479-496		33
71	Does grazing pressure modify diuron toxicity in a biofilm community?. <i>Archives of Environmental Contamination and Toxicology</i> , 2010 , 58, 955-62	3.2	32
70	Sediment size distribution and composition in a reservoir affected by severe water level fluctuations. <i>Science of the Total Environment</i> , 2016 , 540, 158-67	10.2	30
69	Dam regulation and riverine food-web structure in a Mediterranean river. <i>Science of the Total Environment</i> , 2018 , 625, 301-310	10.2	30
68	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> , 2017 , 231, 406-414	9.3	30
67	Organic matter characteristics in a Mediterranean stream through amino acid composition: changes driven by intermittency. <i>Aquatic Sciences</i> , 2011 , 73, 523-535	2.5	29
66	Behavioural and histological effects of atrazine on freshwater molluscs (<i>Physa acuta</i> Drap. and <i>Ancylus fluviatilis</i> MÜ. Gastropoda). <i>Journal of Applied Toxicology</i> , 1999 , 19, 351-6	4.1	29
65	Effects of river regulation on the lower Ebro river (NE Spain). <i>River Research and Applications</i> , 1989 , 3, 345-354		28
64	Invertebrate community responses to emerging water pollutants in Iberian river basins. <i>Science of the Total Environment</i> , 2015 , 503-504, 142-50	10.2	27

63	Pollution in mediterranean-climate rivers. <i>Hydrobiologia</i> , 2013 , 719, 427-450	2.4	23
62	Fungal and Bacterial Colonization of Submerged Leaf Litter in a Mediterranean Stream. <i>International Review of Hydrobiology</i> , 2011 , 96, 221-234	2.3	22
61	Contribution of microbial and invertebrate communities to leaf litter colonization in a Mediterranean stream. <i>Journal of the North American Benthological Society</i> , 2009 , 28, 34-43		22
60	Consequences of warming and resource quality on the stoichiometry and nutrient cycling of a stream shredder. <i>PLoS ONE</i> , 2015 , 10, e0118520	3.7	21
59	Flow regulation increases food-chain length through omnivory mechanisms in a Mediterranean river network. <i>Freshwater Biology</i> , 2016 , 61, 1536-1549	3.1	20
58	Effects of water flow regulation on ecosystem functioning in a Mediterranean river network assessed by wood decomposition. <i>Science of the Total Environment</i> , 2015 , 517, 57-65	10.2	19
57	Effects of increased water temperature on leaf litter quality and detritivore performance: a whole-reach manipulative experiment. <i>Freshwater Biology</i> , 2015 , 60, 184-197	3.1	19
56	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> , 2013 , 263 Pt 1, 248-55	12.8	19
55	Global pressures, specific responses: effects of nutrient enrichment in streams from different biomes. <i>Environmental Research Letters</i> , 2013 , 8, 014002	6.2	19
54	Effects of removal of riparian vegetation on algae and heterotrophs in a Mediterranean stream. <i>Hydrobiologia</i> , 1997 , 6, 129-140		19
53	Macroinvertebrate community in the lower Ebro river (NE Spain). <i>Hydrobiologia</i> , 1994 , 286, 65-78	2.4	19
52	Invertebrate communities in soft sediments along a pollution gradient in a Mediterranean river (Llobregat, NE Spain) 2010 , 29, 311-322		19
51	Effects of indomethacin and propranolol on <i>Chironomus riparius</i> and <i>Physella (Costatella) acuta</i> . <i>Ecotoxicology and Environmental Safety</i> , 2012 , 78, 110-5	7	18
50	Influence of grazing on triclosan toxicity to stream periphyton. <i>Freshwater Biology</i> , 2016 , 61, 2002-2012	3.1	17
49	Macroinvertebrate trophic responses to nutrient addition in a temperate stream in South America. <i>Fundamental and Applied Limnology</i> , 2013 , 182, 17-30	1.9	17
48	Invertebrate community responses to urban wastewater effluent pollution under different hydro-morphological conditions. <i>Environmental Pollution</i> , 2019 , 252, 483-492	9.3	16
47	Stoichiometric homeostasis in the food web of a chronically nutrient-rich stream. <i>Freshwater Science</i> , 2014 , 33, 820-831	2	16
46	Stromatolitic communities in Mediterranean streams: adaptations to a changing environment. <i>Biodiversity and Conservation</i> , 2000 , 9, 379-392	3.4	16

45	Comparison of extraction methods for the determination of atrazine accumulation in freshwater molluscs (<i>Physa acuta</i> Drap. and <i>Ancylus fluviatilis</i> MÜ, Gastropoda). <i>Water Research</i> , 2000 , 34, 2846-2848	12.5	16
44	Effects of flow regulation on river bed dynamics and invertebrate communities in a Mediterranean river. <i>Hydrobiologia</i> , 2017 , 784, 283-304	2.4	15
43	Bottom-up effects on freshwater bacterivorous nematode populations: a microcosm approach. <i>Hydrobiologia</i> , 2013 , 707, 159-172	2.4	15
42	Species traits and resilience of meiofauna to floods and drought in a Mediterranean stream. <i>Marine and Freshwater Research</i> , 2010 , 61, 1336	2.2	15
41	Small-scale spatial variations of trawling impact on food web structure. <i>Ecological Indicators</i> , 2019 , 98, 442-452	5.8	13
40	Associations between school lunch consumption and urinary phthalate metabolite concentrations in US children and adolescents: Results from NHANES 2003-2014. <i>Environment International</i> , 2018 , 121, 287-295	12.9	13
39	Transcriptomic, biochemical and individual markers in transplanted <i>Daphnia magna</i> to characterize impacts in the field. <i>Science of the Total Environment</i> , 2015 , 503-504, 200-12	10.2	12
38	Resource limitation by freshwater snail (<i>Stagnicola vulnerata</i>) grazing pressure: an experimental study.. <i>Fundamental and Applied Limnology</i> , 2000 , 148, 517-532	1.9	12
37	Effects of urban wastewater on hyporheic habitat and invertebrates in Mediterranean streams. <i>Science of the Total Environment</i> , 2018 , 642, 937-945	10.2	11
36	Effects of short-term nutrient addition on microfauna density in a Mediterranean stream. <i>Hydrobiologia</i> , 2006 , 568, 207-215	2.4	11
35	Historical processes constrain metacommunity structure by shaping different pools of invertebrate taxa within the Orinoco basin. <i>Diversity and Distributions</i> , 2020 , 26, 49-61	5	10
34	Subsurface zones in intermittent streams are hotspots of microbial decomposition during the non-flow period. <i>Science of the Total Environment</i> , 2020 , 703, 135485	10.2	10
33	El Niño southern oscillation and seasonal drought drive riparian input dynamics in a Mediterranean stream. <i>Limnology and Oceanography</i> , 2016 , 61, 214-226	4.8	9
32	Effects of olive mill wastewater discharge on benthic biota in Mediterranean streams. <i>Environmental Pollution</i> , 2019 , 254, 113057	9.3	9
31	How to Link Field Observations with Causality? Field and Experimental Approaches Linking Chemical Pollution with Ecological Alterations. <i>Handbook of Environmental Chemistry</i> , 2012 , 181-218	0.8	9
30	Nuisance odours produced by benthic cyanobacteria in a Mediterranean river. <i>Water Science and Technology</i> , 2004 , 49, 25-31	2.2	9
29	Quality and quantity of leaf litter: Both are important for feeding preferences and growth of an aquatic shredder. <i>PLoS ONE</i> , 2018 , 13, e0208272	3.7	9
28	Does the severity of non-flow periods influence ecosystem structure and function of temporary streams? A mesocosm study. <i>Freshwater Biology</i> , 2018 , 63, 613-625	3.1	8

27	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> , 2012 , 19, 934-45	5.1	8
26	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> , 2019 , 35, 78-87	2.3	7
25	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> , 2020 , 742, 140543	10.2	7
24	MODELKEY. <i>Environmental Sciences Europe</i> , 2010 , 22, 217-228	5	7
23	Trophic mechanisms underlying benthic-demersal community recovery in the north-east Atlantic. <i>Journal of Applied Ecology</i> , 2017 , 54, 1957-1967	5.8	6
22	Ecological factors that co-occur with geosmin production by benthic cyanobacteria. The case of the Llobregat River. <i>Algological Studies</i> , 2003 , 109, 579-592		6
21	The Physical Framework and Historic Human Influences in the Ebro River. <i>Handbook of Environmental Chemistry</i> , 2010 , 1-20	0.8	5
20	<i>Nostoc verrucosum</i> (cyanobacteria) colonized by a chironomid larva in a mediterranean stream (Note) <i>Journal of Phycology</i> , 2000 , 36, 59-61	3	5
19	Bottom-up effects of streambed drying on consumer performance through changes in resource quality. <i>Aquatic Sciences</i> , 2017 , 79, 719-731	2.5	4
18	Meiofaunal responses to nutrient additions in a Mediterranean stream. <i>Freshwater Biology</i> , 2012 , 57, 956-968	3.1	4
17	Diversity mediates the responses of invertebrate density to duration and frequency of riversU annual drying regime. <i>Oikos</i> ,	4	4
16	Fungal Biodiversity Mediates the Effects of Drying on Freshwater Ecosystem Functioning. <i>Ecosystems</i> ,1	3.9	4
15	Biochemical quality of basal resources in a forested stream: effects of nutrient enrichment. <i>Aquatic Sciences</i> , 2017 , 79, 99-112	2.5	3
14	Uptake and trophic transfer of nitrogen and carbon in a temperate forested headwater stream. <i>Aquatic Sciences</i> , 2019 , 81, 1	2.5	3
13	Effects of Emerging Contaminants on Biodiversity, Community Structure, and Adaptation of River Biota. <i>Handbook of Environmental Chemistry</i> , 2015 , 79-119	0.8	3
12	Trophic network of aquatic macroinvertebrates along an altitudinal gradient in a Neotropical mountain river. <i>Revista Brasileira De Entomologia</i> , 2018 , 62, 180-187	0.9	2
11	Aquatic and Riparian Biodiversity in the Ebro Watershed: Prospects and Threats. <i>Handbook of Environmental Chemistry</i> , 2010 , 121-138	0.8	2
10	The Effect of Multiple Stressors on Biological Communities in the Llobregat. <i>Handbook of Environmental Chemistry</i> , 2012 , 93-116	0.8	2

9	Assessing the ecological integrity after nutrient inputs in streams: The relevance of the observation scale. <i>Aquatic Ecosystem Health and Management</i> , 2005 , 8, 397-403	1.4	2
8	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> , 2012 , 219-241	0.8	2
7	Historical legacies and contemporary processes shape beta diversity in Neotropical montane streams. <i>Journal of Biogeography</i> , 2021 , 48, 101-117	4.1	2
6	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> , 2019 , 53, 497-508	1.9	1
5	The Iberian rivers 2022 , 181-224		1
4	Energy limitation or sensitive predators? Trophic and non-trophic impacts of wastewater pollution on stream food webs. <i>Ecology</i> , 2021 , e03587	4.6	1
3	Organic matter availability during pre- and post-drought periods in a Mediterranean stream 2010 , 217-232		1
2	Comparing fish assemblages and trophic ecology of permanent and intermittent reaches in a Mediterranean stream 2010 , 167-180		1
1	Contrary effects of flow intermittence and land uses on organic matter decomposition in a Mediterranean river basin. <i>Science of the Total Environment</i> , 2021 , 812, 151424	10.2	0