

Isabel Muñoz

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

5,105
citations

76322

40
h-index

102480

66
g-index

118
all docs

118
docs citations

118
times ranked

5395
citing authors

#	ARTICLE	IF	CITATIONS
1	Fungal Biodiversity Mediates the Effects of Drying on Freshwater Ecosystem Functioning. <i>Ecosystems</i> , 2022, 25, 780-794.	3.4	8
2	Contrary effects of flow intermittence and land uses on organic matter decomposition in a Mediterranean river basin. <i>Science of the Total Environment</i> , 2022, 812, 151424.	8.0	5
3	Energy limitation or sensitive predators? Trophic and non-trophic impacts of wastewater pollution on stream food webs. <i>Ecology</i> , 2022, 103, e03587.	3.2	8
4	The Iberian rivers. , 2022, , 181-224.		15
5	Comparison of Pregnancy Preferences Preceding vs Year 1 of the COVID-19 Pandemic. <i>JAMA Network Open</i> , 2022, 5, e2220093.	5.9	9
6	Historical legacies and contemporary processes shape beta diversity in Neotropical montane streams. <i>Journal of Biogeography</i> , 2021, 48, 101-117.	3.0	10
7	Diversity mediates the responses of invertebrate density to duration and frequency of rivers' annual drying regime. <i>Oikos</i> , 2021, 130, 2148-2160.	2.7	15
8	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.	4.1	19
9	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.	8.0	16
10	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.	8.0	27
11	Effects of olive mill wastewater discharge on benthic biota in Mediterranean streams. <i>Environmental Pollution</i> , 2019, 254, 113057.	7.5	15
12	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.	1.5	1
13	Uptake and trophic transfer of nitrogen and carbon in a temperate forested headwater stream. <i>Aquatic Sciences</i> , 2019, 81, 1.	1.5	5
14	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.	1.7	9
15	Invertebrate community responses to urban wastewater effluent pollution under different hydro-morphological conditions. <i>Environmental Pollution</i> , 2019, 252, 483-492.	7.5	30
16	Small-scale spatial variations of trawling impact on food web structure. <i>Ecological Indicators</i> , 2019, 98, 442-452.	6.3	25
17	Dam regulation and riverine food-web structure in a Mediterranean river. <i>Science of the Total Environment</i> , 2018, 625, 301-310.	8.0	50
18	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.	2.4	11

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19	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.	8.0	53
20	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.	2.5	18
21	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.	10.0	17
22	Effects of urban wastewater on hyporheic habitat and invertebrates in Mediterranean streams. <i>Science of the Total Environment</i> , 2018, 642, 937-945.	8.0	19
23	Effects of human-driven water stress on river ecosystems: a meta-analysis. <i>Scientific Reports</i> , 2018, 8, 11462.	3.3	104
24	Trophic network of aquatic macroinvertebrates along an altitudinal gradient in a Neotropical mountain river. <i>Revista Brasileira De Entomologia</i> , 2018, 62, 180-187.	0.4	10
25	Effects of flow regulation on river bed dynamics and invertebrate communities in a Mediterranean river. <i>Hydrobiologia</i> , 2017, 784, 283-304.	2.0	21
26	Biochemical quality of basal resources in a forested stream: effects of nutrient enrichment. <i>Aquatic Sciences</i> , 2017, 79, 99-112.	1.5	3
27	Trophic mechanisms underlying benthic community recovery in the north-east Atlantic. <i>Journal of Applied Ecology</i> , 2017, 54, 1957-1967.	4.0	7
28	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.	8.0	102
29	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.	7.5	61
30	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.	7.5	46
31	Bottom-up effects of streambed drying on consumer performance through changes in resource quality. <i>Aquatic Sciences</i> , 2017, 79, 719-731.	1.5	4
32	Drought effects on resource quality in a Mediterranean stream: fatty acids and sterols as indicators. <i>Environmental Pollution</i> , 2017, 231, 29-43.		1
33	Flow regulation increases food chain length through omnivory mechanisms in a Mediterranean river network. <i>Freshwater Biology</i> , 2016, 61, 1536-1549.	2.4	28
34	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.	8.0	42
35	Influence of grazing on triclosan toxicity to stream periphyton. <i>Freshwater Biology</i> , 2016, 61, 2002-2012.	2.4	25
36	Shared effects of organic microcontaminants and environmental stressors on biofilms and invertebrates in impaired rivers. <i>Environmental Pollution</i> , 2016, 210, 303-314.	7.5	63

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37	El Niño southern oscillation and seasonal drought drive riparian input dynamics in a Mediterranean stream. <i>Limnology and Oceanography</i> , 2016, 61, 214-226.	3.1	12
38	When Water Vanishes: Magnitude and Regulation of Carbon Dioxide Emissions from Dry Temporary Streams. <i>Ecosystems</i> , 2016, 19, 710-723.	3.4	70
39	Heterogeneity in leaf litter decomposition in a temporary Mediterranean stream during flow fragmentation. <i>Science of the Total Environment</i> , 2016, 553, 330-339.	8.0	52
40	Sediment size distribution and composition in a reservoir affected by severe water level fluctuations. <i>Science of the Total Environment</i> , 2016, 540, 158-167.	8.0	37
41	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.	8.0	102
42	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, 324-333.	8.0	71
43	Consequences of Warming and Resource Quality on the Stoichiometry and Nutrient Cycling of a Stream Shredder. <i>PLoS ONE</i> , 2015, 10, e0118520.	2.5	27
44	Effects of Emerging Contaminants on Biodiversity, Community Structure, and Adaptation of River Biota. <i>Handbook of Environmental Chemistry</i> , 2015, , 79-119.	0.4	4
45	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.	8.0	25
46	Hot spots for carbon emissions from Mediterranean fluvial networks during summer drought. <i>Biogeochemistry</i> , 2015, 125, 409-426.	3.5	58
47	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.	2.4	23
48	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, 200-212.	8.0	15
49	Invertebrate community responses to emerging water pollutants in Iberian river basins. <i>Science of the Total Environment</i> , 2015, 503-504, 142-150.	8.0	34
50	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.	8.0	161
51	Stoichiometric homeostasis in the food web of a chronically nutrient-rich stream. <i>Freshwater Science</i> , 2014, 33, 820-831.	1.8	20
52	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, 715-723.	8.0	92
53	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, 532-541.	8.0	48
54	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, 248-255.	12.4	20

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55	Pollution in mediterranean-climate rivers. <i>Hydrobiologia</i> , 2013, 719, 427-450.	2.0	28
56	Bottom-up effects on freshwater bacterivorous nematode populations: a microcosm approach. <i>Hydrobiologia</i> , 2013, 707, 159-172.	2.0	17
57	Macroinvertebrate trophic responses to nutrient addition in a temperate stream in South America. <i>Fundamental and Applied Limnology</i> , 2013, 182, 17-30.	0.7	21
58	Global pressures, specific responses: effects of nutrient enrichment in streams from different biomes. <i>Environmental Research Letters</i> , 2013, 8, 014002.	5.2	24
59	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.	0.4	9
60	The Effect of Multiple Stressors on Biological Communities in the Llobregat. <i>Handbook of Environmental Chemistry</i> , 2012, , 93-116.	0.4	2
61	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.	8.0	35
62	Effects of indomethacin and propranolol on <i>Chironomus riparius</i> and <i>Physella (Costatella) acuta</i> . <i>Ecotoxicology and Environmental Safety</i> , 2012, 78, 110-115.	6.0	19
63	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.	8.0	43
64	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, 934-945.	5.3	8
65	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, 918-933.	5.3	46
66	Meiofaunal responses to nutrient additions in a Mediterranean stream. <i>Freshwater Biology</i> , 2012, 57, 956-968.	2.4	5
67	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.	0.4	2
68	Long-term moderate nutrient inputs enhance autotrophy in a forested Mediterranean stream. <i>Freshwater Biology</i> , 2011, 56, 1266-1280.	2.4	43
69	Combined scenarios of chemical and ecological quality under water scarcity in Mediterranean rivers. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1269-1278.	11.4	91
70	Organic matter characteristics in a Mediterranean stream through amino acid composition: changes driven by intermittency. <i>Aquatic Sciences</i> , 2011, 73, 523-535.	1.5	34
71	Fungal and Bacterial Colonization of Submerged Leaf Litter in a Mediterranean Stream. <i>International Review of Hydrobiology</i> , 2011, 96, 221-234.	0.9	27
72	Species traits and resilience of meiofauna to floods and drought in a Mediterranean stream. <i>Marine and Freshwater Research</i> , 2010, 61, 1336.	1.3	18

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73	Does Grazing Pressure Modify Diuron Toxicity in a Biofilm Community?. Archives of Environmental Contamination and Toxicology, 2010, 58, 955-962.	4.1	37
74	Organic matter availability during pre- and post-drought periods in a Mediterranean stream. Hydrobiologia, 2010, 657, 217-232.	2.0	72
75	Comparing fish assemblages and trophic ecology of permanent and intermittent reaches in a Mediterranean stream. Hydrobiologia, 2010, 657, 167-180.	2.0	56
76	Primary and complex stressors in polluted mediterranean rivers: Pesticide effects on biological communities. Journal of Hydrology, 2010, 383, 52-61.	5.4	138
77	The Physical Framework and Historic Human Influences in the Ebro River. Handbook of Environmental Chemistry, 2010, , 1-20.	0.4	8
78	Aquatic and Riparian Biodiversity in the Ebro Watershed: Prospects and Threats. Handbook of Environmental Chemistry, 2010, , 121-138.	0.4	2
79	Environmental risk assessment of pharmaceuticals in rivers: Relationships between hazard indexes and aquatic macroinvertebrate diversity indexes in the Llobregat River (NE Spain). Environment International, 2010, 36, 153-162.	10.0	350
80	Organic matter availability during pre- and post-drought periods in a Mediterranean stream. , 2010, , 217-232.		1
81	Comparing fish assemblages and trophic ecology of permanent and intermittent reaches in a Mediterranean stream. , 2010, , 167-180.		2
82	Invertebrate communities in soft sediments along a pollution gradient in a Mediterranean river (Llobregat, NE Spain). , 2010, 29, 311-322.		21
83	The Iberian Rivers. , 2009, , 113-149.		48
84	Organic matter availability structures microbial biomass and activity in a Mediterranean stream. Freshwater Biology, 2009, 54, 2025-2036.	2.4	59
85	Is chemical contamination linked to the diversity of biological communities in rivers?. TrAC - Trends in Analytical Chemistry, 2009, 28, 592-602.	11.4	38
86	The relevance of the community approach linking chemical and biological analyses in pollution assessment. TrAC - Trends in Analytical Chemistry, 2009, 28, 619-626.	11.4	40
87	Bridging levels of pharmaceuticals in river water with biological community structure in the llobregat river basin (northeast spain). Environmental Toxicology and Chemistry, 2009, 28, 2706-2714.	4.3	166
88	Contribution of microbial and invertebrate communities to leaf litter colonization in a Mediterranean stream. Journal of the North American Benthological Society, 2009, 28, 34-43.	3.1	23
89	Toward an integrated assessment of the ecological and chemical status of european river basins. Integrated Environmental Assessment and Management, 2009, 5, 50-61.	2.9	79
90	Effect of climate on the trophic structure of temperate forested streams. A comparison of Mediterranean and Atlantic streams. Science of the Total Environment, 2008, 390, 475-484.	8.0	50

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91	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.	3.1	91
92	Effects of short-term nutrient addition on microfauna density in a Mediterranean stream. <i>Hydrobiologia</i> , 2006, 568, 207-215.	2.0	13
93	The nematode community in cyanobacterial biofilms in the river Llobregat, Spain. <i>Nematology</i> , 2006, 8, 909-919.	0.6	36
94	MODELKEY. Models for assessing and forecasting the impact of environmental key pollutants on freshwater and marine ecosystems and biodiversity (5 pp). <i>Environmental Science and Pollution Research</i> , 2005, 12, 252-256.	5.3	76
95	Effects of nutrient inputs in a forested Mediterranean stream under moderate light availability. <i>Archiv für Hydrobiologie</i> , 2005, 163, 479-496.	1.1	36
96	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.	0.6	4
97	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.	3.1	237
98	Nuisance odours produced by benthic cyanobacteria in a Mediterranean river. <i>Water Science and Technology</i> , 2004, 49, 25-31.	2.5	16
99	Flow extremes and benthic organic matter shape the metabolism of a headwater Mediterranean stream. <i>Freshwater Biology</i> , 2004, 49, 960-971.	2.4	165
100	Biofilm Structure and Function and Possible Implications for Riverine DOC Dynamics. <i>Microbial Ecology</i> , 2004, 47, 316-28.	2.8	142
101	STRUCTURE AND FUNCTION OF BENTHIC ALGAL COMMUNITIES IN AN EXTREMELY ACID RIVER1. <i>Journal of Phycology</i> , 2003, 39, 481-489.	2.3	88
102	The effect of copper exposure on a simple aquatic food chain. <i>Aquatic Toxicology</i> , 2003, 63, 283-291.	4.0	50
103	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.	0.1	9
104	Ecological implications of mass growth of benthic cyanobacteria in rivers. <i>Aquatic Microbial Ecology</i> , 2003, 32, 175-184.	1.8	62
105	The effect of biological factors on the efficiency of river biofilms in improving water quality. <i>Hydrobiologia</i> , 2002, 469, 149-156.	2.0	133
106	Effects of atrazine on periphyton under grazing pressure. <i>Aquatic Toxicology</i> , 2001, 55, 239-249.	4.0	73
107	<i>Nostoc verrucosum</i> (cyanobacteria) colonized by a chironomid larva in a mediterranean stream (Note) â€. <i>Journal of Phycology</i> , 2000, 36, 59-61.	2.3	10
108	Stromatolitic communities in Mediterranean streams: adaptations to a changing environment. <i>Biodiversity and Conservation</i> , 2000, 9, 379-392.	2.6	23

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109	Effects of riparian vegetation removal on nutrient retention in a Mediterranean stream. Journal of the North American Benthological Society, 2000, 19, 609-620.	3.1	136
110	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). Water Research, 2000, 34, 2846-2848.	11.3	16
111	Resource limitation by freshwater snail (<i>Stagnicola vulnerata</i>) grazing pressure: an experimental study.. Fundamental and Applied Limnology, 2000, 148, 517-532.	0.7	16
112	Behavioural and histological effects of atrazine on freshwater molluscs (<i>Physa acuta</i> drap.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf_50 622 Td	2.8	31
113	Changes in atrazine toxicity throughout succession of stream periphyton communities. Journal of Applied Phycology, 1997, 9, 137-146.	2.8	66
114	Effects of removal of riparian vegetation on algae and heterotrophs in a Mediterranean stream. Hydrobiologia, 1997, 6, 129-140.	0.9	25
115	Macroinvertebrate community in the lower Ebro river (NE Spain). Hydrobiologia, 1994, 286, 65-78.	2.0	30
116	Successional dynamics of the phytoplankton in the lower part of the river Ebro. Journal of Plankton Research, 1990, 12, 573-592.	1.8	45
117	Effects of river regulation on the lower Ebro river (NE Spain). River Research and Applications, 1989, 3, 345-354.	0.8	33