

Narcis Prat

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3137611/publications.pdf>

Version: 2024-02-01

131
papers

6,601
citations

53794

45
h-index

69250

77
g-index

132
all docs

132
docs citations

132
times ranked

6013
citing authors

#	ARTICLE	IF	CITATIONS
1	DEVELOPMENTS IN AQUATIC INSECT BIOMONITORING: A Comparative Analysis of Recent Approaches. Annual Review of Entomology, 2006, 51, 495-523.	11.8	732
2	Salinisation of rivers: An urgent ecological issue. Environmental Pollution, 2013, 173, 157-167.	7.5	535
3	Macroinvertebrate community structure and biological traits related to flow permanence in a Mediterranean river network. Hydrobiologia, 2007, 589, 91-106.	2.0	274
4	A simple field method for assessing the ecological quality of riparian habitat in rivers and streams: QBR index. Aquatic Conservation: Marine and Freshwater Ecosystems, 2003, 13, 147-163.	2.0	240
5	Saving freshwater from salts. Science, 2016, 351, 914-916.	12.6	232
6	Benthic macroinvertebrate assemblages and macrohabitat connectivity in Mediterranean-climate streams of northern California. Journal of the North American Benthological Society, 2006, 25, 32-43.	3.1	178
7	Assessing the ecological status in the context of the European Water Framework Directive: Where do we go now?. Science of the Total Environment, 2014, 497-498, 332-344.	8.0	152
8	Trace metal concentration, antioxidant enzyme activities and susceptibility to oxidative stress in the tricoptera larvae Hydropsyche exocellata from the Llobregat river basin (NE Spain). Aquatic Toxicology, 2005, 74, 3-19.	4.0	149
9	Changes in the hydrology and sediment transport produced by large dams on the lower Ebro river and its estuary. River Research and Applications, 1996, 12, 51-62.	0.8	147
10	Characterization of the Ebre and Rhone estuaries: A basis for defining and classifying salt wedge estuaries. Limnology and Oceanography, 1997, 42, 89-101.	3.1	115
11	Do metacommunities vary through time? Intermittent rivers as model systems. Journal of Biogeography, 2017, 44, 2752-2763.	3.0	105
12	Fire as a disturbance in mediterranean climate streams. Hydrobiologia, 2013, 719, 353-382.	2.0	103
13	A novel approach to analysing the regimes of temporary streams in relation to their controls on the composition and structure of aquatic biota. Hydrology and Earth System Sciences, 2012, 16, 3165-3182.	4.9	101
14	Heavy metal bioaccumulation and macroinvertebrate community changes in a Mediterranean stream affected by acid mine drainage and an accidental spill (Guadiamar River, SW Spain). Science of the Total Environment, 2004, 333, 109-126.	8.0	95
15	Use of macroinvertebrate-based multimetric indices for water quality evaluation in Spanish Mediterranean rivers: an intercalibration approach with the IBMWP index. Hydrobiologia, 2009, 628, 203-225.	2.0	86
16	Release of polycyclic aromatic compounds into a Mediterranean creek (Catalonia, NE Spain) after a forest fire. Water Research, 2007, 41, 2171-2179.	11.3	80
17	Least Disturbed Condition for European Mediterranean rivers. Science of the Total Environment, 2014, 476-477, 745-756.	8.0	80
18	Effects of Mediterranean climate annual variability on stream biological quality assessment using macroinvertebrate communities. Ecological Indicators, 2011, 11, 651-662.	6.3	79

#	ARTICLE	IF	CITATIONS
19	The Andean Biotic Index (ABI): revised tolerance to pollution values for macroinvertebrate families and index performance evaluation. <i>Revista De Biología Tropical</i> , 2014, 62, 249.	0.4	74
20	Effects of repeated salt pulses on ecosystem structure and functions in a stream mesocosm. <i>Science of the Total Environment</i> , 2014, 476-477, 634-642.	8.0	72
21	Regime shift from phytoplankton to macrophyte dominance in a large river: Top-down versus bottom-up effects. <i>Science of the Total Environment</i> , 2012, 416, 314-322.	8.0	71
22	Ecological profiles of caddisfly larvae in Mediterranean streams: implications for bioassessment methods. <i>Environmental Pollution</i> , 2004, 132, 509-521.	7.5	70
23	Combined use of <i>Daphnia magna</i> in situ bioassays, biomarkers and biological indices to diagnose and identify environmental pressures on invertebrate communities in two Mediterranean urbanized and industrialized rivers (NE Spain). <i>Aquatic Toxicology</i> , 2008, 87, 310-320.	4.0	70
24	Net primary production and decomposition of salt marshes of the Ebre delta (Catalonia, Spain). <i>Estuaries and Coasts</i> , 2002, 25, 309-324.	1.7	69
25	Concordance between ecotypes and macroinvertebrate assemblages in Mediterranean streams. <i>Freshwater Biology</i> , 2007, 52, 2240-2255.	2.4	69
26	Ecological and historical filters constraining spatial caddisfly distribution in Mediterranean rivers. <i>Freshwater Biology</i> , 2005, 50, 781-797.	2.4	68
27	Defining criteria to select reference sites in Mediterranean streams. <i>Hydrobiologia</i> , 2009, 619, 39.	2.0	65
28	Water use and quality and stream flow in a Mediterranean stream. <i>Water Research</i> , 2000, 34, 3876-3881.	11.3	64
29	Do seasonal changes in habitat features influence aquatic macroinvertebrate assemblages in perennial versus temporary Mediterranean streams?. <i>Aquatic Sciences</i> , 2011, 73, 567-579.	1.5	64
30	The environmental impact of the Spanish national hydrological plan on the lower Ebro river and delta. <i>International Journal of Water Resources Development</i> , 2003, 19, 485-500.	2.0	63
31	Multi-scale assessment of macroinvertebrate richness and composition in Mediterranean climate rivers. <i>Freshwater Biology</i> , 2008, 53, 772-788.	2.4	63
32	Towards sustainable management of Mediterranean river basins: policy recommendations on management aspects of temporary streams. <i>Water Policy</i> , 2013, 15, 830-849.	1.5	61
33	Multi-biochemical responses of benthic macroinvertebrate species as a complementary tool to diagnose the cause of community impairment in polluted rivers. <i>Water Research</i> , 2011, 45, 3599-3613.	11.3	57
34	Response of stream invertebrates to short-term salinization: A mesocosm approach. <i>Environmental Pollution</i> , 2012, 166, 144-151.	7.5	57
35	Vertical Accretion and Relative Sea Level Rise in the Ebro Delta Wetlands (Catalonia, Spain). <i>Wetlands</i> , 2010, 30, 979-988.	1.5	56
36	Propuesta de un protocolo de evaluación de la calidad ecológica de ríos andinos (CERA) y su aplicación a dos cuencas en Ecuador y Perú. , 2009, 28, 35-64.		54

#	ARTICLE	IF	CITATIONS
37	Effect of dumping and cleaning activities on the aquatic ecosystems of the Guadiamar River following a toxic flood. <i>Science of the Total Environment</i> , 1999, 242, 231-248.	8.0	53
38	Can salinity trigger cascade effects on streams? A mesocosm approach. <i>Science of the Total Environment</i> , 2016, 540, 3-10.	8.0	53
39	Defining River Types in a Mediterranean Area: A Methodology for the Implementation of the EU Water Framework Directive. <i>Environmental Management</i> , 2004, 34, 711-729.	2.7	52
40	Monitoring metal and metalloid bioaccumulation in Hydropsyche (Trichoptera, Hydropsychidae) to evaluate metal pollution in a mining river. Whole body versus tissue content. <i>Science of the Total Environment</i> , 2006, 359, 221-231.	8.0	51
41	Establishing physico-chemical reference conditions in Mediterranean streams according to the European Water Framework Directive. <i>Water Research</i> , 2012, 46, 2257-2269.	11.3	51
42	Chironomus species (Diptera: Chironomidae) in the profundal benthos of Spanish reservoirs and lakes: factors affecting distribution patterns. <i>Freshwater Biology</i> , 2000, 43, 1-18.	2.4	50
43	Environmental factors, spatial variation, and specific requirements of Chironomidae in Mediterranean reference streams. <i>Journal of the North American Benthological Society</i> , 2009, 28, 247-265.	3.1	49
44	Patterns of metal bioaccumulation in two filter-feeding macroinvertebrates: Exposure distribution, inter-species differences and variability across developmental stages. <i>Science of the Total Environment</i> , 2010, 408, 2795-2806.	8.0	49
45	A tool to assess the ecological condition of tropical high Andean streams in Ecuador and Peru: The IMEERA index. <i>Ecological Indicators</i> , 2013, 29, 79-92.	6.3	49
46	Evaluation of side-effects of glyphosate mediated control of giant reed (<i>Arundo donax</i>) on the structure and function of a nearby Mediterranean river ecosystem. <i>Environmental Research</i> , 2010, 110, 556-564.	7.5	48
47	As time goes by: 20 years of changes in the aquatic macroinvertebrate metacommunity of Mediterranean river networks. <i>Journal of Biogeography</i> , 2020, 47, 1861-1874.	3.0	46
48	Ecological impact and recovery of a Mediterranean river after receiving the effluent from a textile dyeing industry. <i>Ecotoxicology and Environmental Safety</i> , 2016, 132, 295-303.	6.0	43
49	Life cycle and production of Chironomidae (Diptera) from Lake Banyoles (NE Spain). <i>Freshwater Biology</i> , 1995, 33, 511-524.	2.4	41
50	The MEDiterranean Prediction And Classification System (MEDPACS): an implementation of the RIVPACS/AUSRIVAS predictive approach for assessing Mediterranean aquatic macroinvertebrate communities. <i>Hydrobiologia</i> , 2009, 623, 153-171.	2.0	41
51	Macroinvertebrate Assemblages of an Andean High Altitude Tropical Stream: The Importance of Season and Flow. <i>International Review of Hydrobiology</i> , 2011, 96, 667-685.	0.9	41
52	TREHS: An open-access software tool for investigating and evaluating temporary river regimes as a first step for their ecological status assessment. <i>Science of the Total Environment</i> , 2017, 607-608, 519-540.	8.0	40
53	A biological tool to assess flow connectivity in reference temporary streams from the Mediterranean Basin. <i>Science of the Total Environment</i> , 2016, 540, 178-190.	8.0	38
54	Effects of the invasive species <i>Potamopyrgus antipodarum</i> (Hydrobiidae, Mollusca) on community structure in a small Mediterranean stream. <i>Fundamental and Applied Limnology</i> , 2008, 171, 131-143.	0.7	37

#	ARTICLE	IF	CITATIONS
55	Spatial scale effects on taxonomic and biological trait diversity of aquatic macroinvertebrates in Mediterranean streams. <i>Fundamental and Applied Limnology</i> , 2013, 183, 89-105.	0.7	37
56	Comparability of ecological quality boundaries in the Mediterranean basin using freshwater benthic invertebrates. Statistical options and implications. <i>Science of the Total Environment</i> , 2014, 476-477, 777-784.	8.0	36
57	25-years of biomonitoring in two mediterranean streams (Llobregat and Besòs basins, NE Spain). , 2006, 25, 541-550.		35
58	Water management in mediterranean river basins: a comparison of management frameworks, physical impacts, and ecological responses. <i>Hydrobiologia</i> , 2013, 719, 451-482.	2.0	34
59	Small but Powerful: Top Predator Local Extinction Affects Ecosystem Structure and Function in an Intermittent Stream. <i>PLoS ONE</i> , 2015, 10, e0117630.	2.5	34
60	Effects of river regulation on the lower Ebro river (NE Spain). <i>River Research and Applications</i> , 1989, 3, 345-354.	0.8	33
61	Are Chironomidae (Diptera) good indicators of water scarcity? Dryland streams as a case study. <i>Ecological Indicators</i> , 2016, 71, 155-162.	6.3	33
62	Selection and validation of reference sites in small river basins. <i>Hydrobiologia</i> , 2006, 573, 133-154.	2.0	31
63	A mesocosm approach for detecting stream invertebrate community responses to treated wastewater effluent. <i>Environmental Pollution</i> , 2012, 160, 95-102.	7.5	31
64	Macroinvertebrate community in the lower Ebro river (NE Spain). <i>Hydrobiologia</i> , 1994, 286, 65-78.	2.0	30
65	Natural disturbances can produce misleading bioassessment results: Identifying metrics to detect anthropogenic impacts in intermittent rivers. <i>Journal of Applied Ecology</i> , 2020, 57, 283-295.	4.0	30
66	Remote mountain lakes as indicators of diffuse acidic and organic pollution in the Iberian peninsula (AL:PE 2 studies). <i>Water, Air, and Soil Pollution</i> , 1995, 85, 487-492.	2.4	29
67	A comparison of rapid bioassessment protocols used in 2 regions with Mediterranean climates, the Iberian Peninsula and South Africa. <i>Journal of the North American Benthological Society</i> , 2006, 25, 487-500.	3.1	29
68	Invertebrate drift and colonization processes in a tropical Andean stream. <i>Aquatic Biology</i> , 2012, 14, 233-246.	1.4	28
69	Using community and population approaches to understand how contemporary and historical factors have shaped species distribution in river ecosystems. <i>Global Ecology and Biogeography</i> , 2009, 18, 202-213.	5.8	27
70	Long-term effects of climatic hydrological drivers on macroinvertebrate richness and composition in two Mediterranean streams. <i>Freshwater Biology</i> , 2013, 58, 1313-1328.	2.4	26
71	The combined use of metrics of biological quality and biomarkers to detect the effects of reclaimed water on macroinvertebrate assemblages in the lower part of a polluted Mediterranean river (Llobregat River, NE Spain). <i>Ecological Indicators</i> , 2013, 24, 167-176.	6.3	26
72	Effects of <i>Didymosphenia geminata</i> massive growth on stream communities: Smaller organisms and simplified food web structure. <i>PLoS ONE</i> , 2018, 13, e0193545.	2.5	26

#	ARTICLE	IF	CITATIONS
73	New records of Trichoptera in reference Mediterranean-climate rivers of the Iberian Peninsula and north of Africa: taxonomical, faunistical and ecological aspects. Graellsia, 2008, 64, 188-208.	0.2	25
74	Regional and local environmental factors structuring undisturbed benthic macroinvertebrate communities in the Mondego River basin, Portugal. Archiv Für Hydrobiologie, 2005, 163, 497-523.	1.1	24
75	Trichoptera (Insecta) collected in Mediterranean river basins of the Iberian Peninsula: taxonomic remarks and notes on ecology. Graellsia, 2004, 60, 41-69.	0.2	24
76	Relative balance of the cost and benefit associated with carnivory in the tropical Utricularia foliosa. Aquatic Botany, 2004, 80, 271-282.	1.6	23
77	Relationship between pollution and fluctuating asymmetry in the pollution-tolerant caddisfly Hydropsyche exocellata (Trichoptera, Insecta). Archiv Für Hydrobiologie, 2005, 162, 167-185.	1.1	23
78	Life history and production of the burrowing mayfly <i>Ephoron virgo</i> (Olivier, 1791) (Ephemeroptera: Polymitarcyidae) in the lower Ebro river: a comparison after 18 years. Aquatic Insects, 2008, 30, 163-178.	0.9	23
79	Seasonal drought plays a stronger role than wildfire in shaping macroinvertebrate communities of Mediterranean streams. International Review of Hydrobiology, 2013, 98, 271-283.	0.9	23
80	Chironomid assemblages in high altitude streams of the Andean region of Peru. Fundamental and Applied Limnology, 2010, 177, 57-79.	0.7	21
81	Chloride and sulphate toxicity to <i>Hydropsyche exocellata</i> (Trichoptera, Hydropsychidae): Exploring intraspecific variation and sub-lethal endpoints. Science of the Total Environment, 2016, 566-567, 1032-1041.	8.0	21
82	Long-term consequences of a wildfire for leaf-litter breakdown in a Mediterranean stream. Freshwater Science, 2015, 34, 1482-1493.	1.8	20
83	Chironomidae assemblages in reference condition Mediterranean streams: environmental factors, seasonal variability and ecotypes. Fundamental and Applied Limnology, 2007, 170, 149-165.	0.7	18
84	Macroinvertebrate communities of non-glacial high altitude intermittent streams. Freshwater Biology, 2007, 53, 070915184847001-???	2.4	18
85	Higher α - and β -diversity at species and genetic levels in headwaters than in mid-order streams in <i>Hydropsyche</i> (Trichoptera). Freshwater Biology, 2013, 58, 2226-2236.	2.4	17
86	Eutrophication processes in Spanish reservoirs as revealed by biological records in profundal sediments. Hydrobiologia, 1983, 103, 153-158.	2.0	15
87	Massive Growth of the Invasive Algae <i>Didymosphenia Geminata</i> Associated with Discharges from a Mountain Reservoir Alters the Taxonomic and Functional Structure of Macroinvertebrate Community. River Research and Applications, 2015, 31, 216-227.	1.7	15
88	Structure and Productivity of Microtidal Mediterranean Coastal Marshes. , 2002, , 107-136.		14
89	Genetic and morphological approaches to the problematic presence of three <i>Hydropsyche</i> species of the <i>pellucidula</i> group (Trichoptera: Hydropsychidae) in the westernmost Mediterranean Basin. Aquatic Insects, 2010, 32, 85-98.	0.9	14
90	Caracterización física, química e hidromorfológica de los ríos altoandinos tropicales de Ecuador y Perú. Latin American Journal of Aquatic Research, 2014, 42, 1072-1086.	0.6	14

#	ARTICLE	IF	CITATIONS
91	Chironomid-inferred Holocene temperature reconstruction in Basa de la Mora Lake (Central) Tj ETQq1 1 0.784314 197 /Overlock 10	1.7	14
92	Homage to the Virgin of Ecology, or why an aquatic insect unadapted to desiccation may maintain populations in very small, temporary Mediterranean streams. <i>Hydrobiologia</i> , 2010, 653, 179-190.	2.0	13
93	Phylogenetic and ecological structure of Mediterranean caddisfly communities at various spatio-temporal scales. <i>Journal of Biogeography</i> , 2012, 39, 1621-1632.	3.0	13
94	A trait-based approach reveals the feeding selectivity of a small endangered Mediterranean fish. <i>Ecology and Evolution</i> , 2016, 6, 3299-3310.	1.9	13
95	Trophic Ecology of <i>Hyaella</i> sp. (Crustacea: Amphipoda) in a High Andes Headwater River with Travertine Deposits. <i>International Review of Hydrobiology</i> , 2011, 96, 274-285.	0.9	11
96	Oviposition of Aquatic Insects in a Tropical High Altitude Stream. <i>Environmental Entomology</i> , 2012, 41, 1322-1331.	1.4	11
97	Top predator absence enhances leaf breakdown in an intermittent stream. <i>Science of the Total Environment</i> , 2016, 572, 1123-1131.	8.0	11
98	A Proposal to Classify and Assess Ecological Status in Mediterranean Temporary Rivers: Research Insights to Solve Management Needs. <i>Water (Switzerland)</i> , 2021, 13, 767.	2.7	10
99	Agricultural impacts on streams near Nitrate Vulnerable Zones: A case study in the Ebro basin, Northern Spain. <i>PLoS ONE</i> , 2019, 14, e0218582.	2.5	9
100	The Influence of Riparian Corridor Land Use on the Pesquer�a River's Macroinvertebrate Community (N.E. Mexico). <i>Water (Switzerland)</i> , 2019, 11, 1930.	2.7	9
101	Impact of potash mining in streams: the Llobregat basin (northeast Spain) as a case study. <i>Journal of Limnology</i> , 0, , .	1.1	8
102	The role of riparian vegetation in the evaluation of ecosystem health: The case of semiarid conditions in Northern Mexico. <i>River Research and Applications</i> , 2019, 35, 48-59.	1.7	8
103	Human Pressure and Its Effects on Water Quality and Biota in the Llobregat River. <i>Handbook of Environmental Chemistry</i> , 2012, , 297-325.	0.4	7
104	Comparing Chemical and Ecological Status in Catalan Rivers: Analysis of River Quality Status Following the Water Framework Directive. <i>Handbook of Environmental Chemistry</i> , 2012, , 243-265.	0.4	7
105	Are Water Framework Directive stream types biologically relevant? The case of the Mondego river, Portugal. <i>Annales De Limnologie</i> , 2011, 47, 119-131.	0.6	6
106	Distribution, Abundance and Molecular Analysis of Genus <i>Barbadocladius</i> Cranston & Krosch (Diptera, Chironomidae) in Tropical, High Altitude Andean Streams and Rivers. <i>Neotropical Entomology</i> , 2013, 42, 607-617.	1.2	6
107	The influence of depth and macrophyte habitat on paleoecological studies using chironomids: Enol Lake (Spain) as a case study. <i>Journal of Paleolimnology</i> , 2018, 60, 97-107.	1.6	6
108	Are there so many congeneric species of chironomid larvae in a small stream?. <i>Journal of Limnology</i> , 0, , .	1.1	6

#	ARTICLE	IF	CITATIONS
109	Adapting participatory processes in temporary rivers management. <i>Environmental Science and Policy</i> , 2021, 120, 145-156.	4.9	6
110	The zoobenthos of six remote high mountain lakes in Spain and Portugal. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1998, 26, 2132-2136.	0.1	5
111	Changes in the benthos of five Spanish reservoirs in the last 15 years. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1991, 24, 1377-1381.	0.1	4
112	What Do Students Know about Rivers and Their Management? Analysis by Educational Stages and Territories. <i>Sustainability</i> , 2020, 12, 8719.	3.2	4
113	High altitude Chironomidae (Diptera) of Serra da Estrela (Portugal): Additions to the Portuguese and Iberian Peninsula fauna. <i>Graellsia</i> , 2007, 63, 273-278.	0.2	4
114	Life cycle and production of <i>Cladopelma virescens</i> (Mg.) (Diptera: Chironomidae) in Lake Banyoles (NE Tj ETQq0 0 0 rgBT /Overlock 10 T	0.5	3
115	Water Status Assessment in the Catalan River Basin District: Experience Gathered After 15 Years with the Water Framework Directive (WFD). <i>Handbook of Environmental Chemistry</i> , 2015, , 1-35.	0.4	3
116	The use of larvae and pupal exuviae to study the biodiversity of Chironomidae in Mediterranean streams. <i>Journal of Entomological and Acarological Research</i> , 2016, 48, 29.	0.7	3
117	Biodiversity of a Mediterranean stream drainage network. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2000, 27, 135-139.	0.1	2
118	Wastewater Reuse in the Llobregat: The Experience at the Prat de Llobregat Treatment Plant. <i>Handbook of Environmental Chemistry</i> , 2012, , 327-346.	0.4	2
119	Impacts of Use and Abuse of Nature in Catalonia with Proposals for Sustainable Management. <i>Land</i> , 2021, 10, 144.	2.9	2
120	Benthic Populations Dynamics in Artificial Samplers in a Spanish Reservoir. , 1980, , 239-246.		2
121	Habitat expansion of a tropical chironomid by seasonal alternation in use of littoral and profundal zones. <i>Journal of Limnology</i> , 2022, 81, .	1.1	2
122	SUSTAINABLE ALTERNATIVES OF WATER MANAGEMENT IN URBAN AREAS OF MEDITERRANEAN COASTAL CITIES: THE EXAMPLE OF BARCELONA METROPOLITAN REGION (BMR) (NE SPAIN). , 2007, , .		1
123	Homage to the Virgin of Ecology, or why an aquatic insect unadapted to desiccation may maintain populations in very small, temporary Mediterranean streams. , 2010, , 179-190.		0
124	Danzando con quironÃ³midos. Una mirada retrospectiva personal a la investigaciÃ³n y gestiÃ³n del agua en EspaÃ±a. , 2022, 41, 1.		0
125	Genetic Variability of <i>Polypedilum</i> (Diptera: Chironomidae) from Southwest Ecuador. <i>Insects</i> , 2022, 13, 382.	2.2	0
126	Title is missing!. , 2019, 14, e0218582.		0

#	ARTICLE	IF	CITATIONS
127	Title is missing!. , 2019, 14, e0218582.		0
128	Title is missing!. , 2019, 14, e0218582.		0
129	Title is missing!. , 2019, 14, e0218582.		0
130	Title is missing!. , 2019, 14, e0218582.		0
131	Title is missing!. , 2019, 14, e0218582.		0