

# Carles Alcaraz

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

1,974  
citations

304602

22  
h-index

265120

42  
g-index

64  
all docs

64  
docs citations

64  
times ranked

2458  
citing authors

#	ARTICLE	IF	CITATIONS
1	Introduction pathways and establishment rates of invasive aquatic species in Europe. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2005, 62, 453-463.	0.7	257
2	Life-history traits of invasive fish in small Mediterranean streams. <i>Biological Invasions</i> , 2005, 7, 107-116.	1.2	129
3	Incongruence between test statistics and P values in medical papers. <i>BMC Medical Research Methodology</i> , 2004, 4, 13.	1.4	126
4	Salinity mediates the competitive interactions between invasive mosquitofish and an endangered fish. <i>Oecologia</i> , 2008, 155, 205-213.	0.9	119
5	<i>Procambarus clarkii</i> as a bioindicator of heavy metal pollution sources in the lower Ebro River and Delta. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 280-286.	2.9	114
6	Life history variation of invasive mosquitofish ( <i>Gambusia holbrooki</i> ) along a salinity gradient. <i>Biological Conservation</i> , 2007, 139, 83-92.	1.9	107
7	Profiling invasive fish species: the importance of phylogeny and human use. <i>Diversity and Distributions</i> , 2005, 11, 289-298.	1.9	84
8	The effects of limnological features on fish assemblages of 14 Spanish reservoirs. <i>Ecology of Freshwater Fish</i> , 2006, 15, 66-77.	0.7	76
9	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.	3.9	71
10	Life history and parasites of the invasive mosquitofish ( <i>Gambusia holbrooki</i> ) along a latitudinal gradient. <i>Biological Invasions</i> , 2009, 11, 2265-2277.	1.2	65
11	Food of an endangered cyprinodont ( <i>Aphanius iberus</i> ): ontogenetic diet shift and prey electivity. <i>Environmental Biology of Fishes</i> , 2007, 78, 193-207.	0.4	57
12	Allometric growth patterns and development in larvae and juveniles of thick-lipped grey mullet <i>Chelon labrosus</i> reared in mesocosm conditions. <i>Aquaculture Research</i> , 2013, 44, 1872-1888.	0.9	44
13	Sea level rise impacts on rice production: The Ebro Delta as an example. <i>Science of the Total Environment</i> , 2016, 571, 1200-1210.	3.9	40
14	Fish catchability and comparison of four electrofishing crews in Mediterranean streams. <i>Fisheries Research</i> , 2012, 123-124, 9-15.	0.9	29
15	A network-based approach to the analysis of ontogenetic diet shifts: An example with an endangered, small-sized fish. <i>Ecological Complexity</i> , 2011, 8, 123-129.	1.4	27
16	Bioaccumulation of pollutants in the zebra mussel from hazardous industrial waste and evaluation of spatial distribution using GAMs. <i>Science of the Total Environment</i> , 2011, 409, 898-904.	3.9	27
17	Effects of plant architecture and water velocity on sediment retention by submerged macrophytes. <i>Freshwater Biology</i> , 2016, 61, 758-768.	1.2	27
18	Detection of <i>Ostreopsis cf. ovata</i> in environmental samples using an electrochemical DNA-based biosensor. <i>Science of the Total Environment</i> , 2019, 689, 655-661.	3.9	26

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19	Use of a flooded salt marsh habitat by an endangered cyprinodontid fish ( <i>Aphanius iberus</i> ). <i>Hydrobiologia</i> , 2008, 600, 177-185.	1.0	25
20	Characterization of stress coping style in Senegalese sole ( <i>Solea senegalensis</i> ) juveniles and breeders for aquaculture. <i>Royal Society Open Science</i> , 2016, 3, 160495.	1.1	24
21	Addressing the Analytical Challenges for the Detection of Ciguatoxins Using an Electrochemical Biosensor. <i>Analytical Chemistry</i> , 2020, 92, 4858-4865.	3.2	23
22	First Results of Phytoplankton Spatial Dynamics in Two NW-Mediterranean Bays from Chlorophyll-a Estimates Using Sentinel 2: Potential Implications for Aquaculture. <i>Remote Sensing</i> , 2019, 11, 1756.	1.8	22
23	Basin-scale land use impacts on world deltas: Human vs natural forcings. <i>Global and Planetary Change</i> , 2019, 173, 24-32.	1.6	22
24	Rapid detection of ciguatoxins in <i>Gambierdiscus</i> and <i>Fukuyoa</i> with immunosensing tools. <i>Ecotoxicology and Environmental Safety</i> , 2020, 204, 111004.	2.9	22
25	Spatial and temporal dynamics of suspended load at-a-cross-section: The lowermost Ebro River (Catalonia, Spain). <i>Water Research</i> , 2012, 46, 3671-3681.	5.3	20
26	Effects of water pollution and river fragmentation on population genetic structure of invasive mosquitofish. <i>Science of the Total Environment</i> , 2018, 637-638, 1372-1382.	3.9	19
27	Colorimetric DNA-based assay for the specific detection and quantification of <i>Ostreopsis cf. ovata</i> and <i>Ostreopsis cf. siamensis</i> in the marine environment. <i>Harmful Algae</i> , 2019, 84, 27-35.	2.2	19
28	The main drivers of methane emissions differ in the growing and flooded fallow seasons in Mediterranean rice fields. <i>Plant and Soil</i> , 2021, 460, 211-227.	1.8	18
29	Towards the Combination of C2RCC Processors for Improving Water Quality Retrieval in Inland and Coastal Areas. <i>Remote Sensing</i> , 2022, 14, 1124.	1.8	17
30	Monitoring rice crop and yield estimation with Sentinel-2 data. <i>Field Crops Research</i> , 2022, 281, 108507.	2.3	17
31	Herbivory and seasonal changes in diet of a highly endemic cyprinodontid fish ( <i>Aphanius farsicus</i> ). <i>Environmental Biology of Fishes</i> , 2015, 98, 1541-1554.	0.4	16
32	Life-history traits of invasive fish in small Mediterranean streams. , 2005, , 107-116.		16
33	Neglecting the fallow season can significantly underestimate annual methane emissions in Mediterranean rice fields. <i>PLoS ONE</i> , 2018, 13, e0198081.	1.1	15
34	Distribution and ten-year temporal trends (2009–2018) of perfluoroalkyl substances in gull eggs from Spanish breeding colonies. <i>Environmental Pollution</i> , 2022, 293, 118555.	3.7	15
35	Artificial macrophytes as fish habitat in a Mediterranean reservoir subjected to seasonal water level disturbances. <i>Aquatic Sciences</i> , 2011, 73, 43-52.	0.6	14
36	Gillnet selectivity in the Ebro Delta coastal lagoons and its implication for the fishery management of the sand smelt, <i>Atherina boyeri</i> (Actinopterygii: Atherinidae). <i>Estuarine, Coastal and Shelf Science</i> , 2012, 114, 41-49.	0.9	14

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37	Benthic macrofaunal dynamics and environmental stress across a salt wedge Mediterranean estuary. <i>Marine Environmental Research</i> , 2016, 117, 21-31.	1.1	14
38	Multiple environmental benefits of alternate wetting and drying irrigation system with limited yield impact on European rice cultivation: The Ebre Delta case. <i>Agricultural Water Management</i> , 2021, 258, 107164.	2.4	14
39	Pristine vs. human-altered Ebro Delta habitats display contrasting resilience to RSLR. <i>Science of the Total Environment</i> , 2019, 655, 1376-1386.	3.9	13
40	Early development and allometric growth patterns of beluga <i>Huso huso</i> (Linnaeus, 1758). <i>Journal of Applied Ichthyology</i> , 2014, 30, 1264-1272.	0.3	12
41	Assessing population status of <i>Parachondrostoma arrigonis</i> (Steindachner, 1866), threats and conservation perspectives. <i>Environmental Biology of Fishes</i> , 2015, 98, 443-455.	0.4	12
42	Validated methodology for quantifying infestation levels of dreissenid mussels in environmental DNA (eDNA) samples. <i>Scientific Reports</i> , 2016, 6, 39067.	1.6	12
43	Temperature affects growth allometry and development patterns in brown trout ( <i>Salmo trutta</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T11 714-722.	0.7	12
44	Hydropeaking effects on movement patterns of brown trout ( <i>Salmo trutta</i> L.). <i>River Research and Applications</i> , 2019, 35, 646-655.	0.7	12
45	Warming and acidification-mediated resilience to bacterial infection determine mortality of early <i>Ostrea edulis</i> life stages. <i>Marine Ecology - Progress Series</i> , 2016, 545, 189-202.	0.9	12
46	Movements and dispersal of brown trout ( <i>Salmo trutta</i> Linnaeus, 1758) in Mediterranean streams: influence of habitat and biotic factors. <i>PeerJ</i> , 2018, 6, e5730.	0.9	12
47	Effect of post-harvest practices on greenhouse gas emissions in rice paddies: flooding regime and straw management. <i>Plant and Soil</i> , 2022, 474, 77-98.	1.8	11
48	Effects of enhanced hydrological connectivity on Mediterranean salt marsh fish assemblages with emphasis on the endangered Spanish toothcarp ( <i>Aphanius iberus</i> ). <i>PeerJ</i> , 2017, 5, e3009.	0.9	10
49	Citations: results differ by database. <i>Nature</i> , 2012, 483, 36-36.	13.7	8
50	Detection of <i>Gambierdiscus</i> and <i>Fukuyoa</i> single cells using recombinase polymerase amplification combined with a sandwich hybridization assay. <i>Journal of Applied Phycology</i> , 2021, 33, 2273-2282.	1.5	7
51	Evaluating adaptation options to sea level rise and benefits to agriculture: The Ebro Delta showcase. <i>Science of the Total Environment</i> , 2022, 806, 150624.	3.9	7
52	Experimental assessment of the effects of a Neotropical nocturnal piscivore on juvenile native and invasive fishes. <i>Neotropical Ichthyology</i> , 2012, 10, 167-176.	0.5	6
53	Fish-Based Indices in Catalan Rivers: Intercalibration and Comparison of Approaches. <i>Handbook of Environmental Chemistry</i> , 2015, , 125-147.	0.2	5
54	The combination of bivariate and multivariate methods to analyze character synchronization and early allometric growth patterns in the stellate sturgeon ( <i>Acipenser stellatus</i> ) as tools for better understanding larval behavior. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017, 74, 1528-1537.	0.7	5

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55	Diversity and structure of fragmented populations of a threatened endemic cyprinodontid ( <i>Aphanius sophiae</i> ) inferred from genetics and otolith morphology: Implications for conservation and management. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2020, 58, 341-355.	0.6	5
56	Phospholipids improve the performance, physiological, antioxidative responses and, lpl and igf1 gene expressions in juvenile stellate sturgeon ( <i>Acipenser stellatus</i> ). <i>Aquaculture</i> , 2021, 541, 736809.	1.7	4
57	Development of the axial skeleton in the bay snook <i>Petenia splendida</i> Günther, 1862 (Perciformes: Cichlidae). <i>Journal of Applied Ichthyology</i> , 2014, 30, 783-789.	0.3	3
58	Cyclodextrin polymers as passive sampling materials for lipophilic marine toxins in <i>Prorocentrum lima</i> cultures and a <i>Dinophysis sacculus</i> bloom in the NW Mediterranean Sea. <i>Chemosphere</i> , 2021, 285, 131464.	4.2	3
59	Individual body mass and length dataset for over 12,000 fish from Iberian streams. <i>Data in Brief</i> , 2022, 42, 108248.	0.5	2
60	Molecular identification, life cycle characterization, and hatchery seed production of dwarf oysters from the Ebro Delta (Spain). <i>Aquatic Living Resources</i> , 2022, 35, 5.	0.5	2
61	New information about the toxicological profile of <i>Prorocentrum panamense</i> ( <i>Prorocentrales</i> , <i>Dinophyceae</i> ) and its global distribution. <i>Phycological Research</i> , 2022, 70, 81-88.	0.8	1
62	Modeling Management Options for Controlling the Invasive Zebra Mussel in a Mediterranean Reservoir. <i>Developments in Environmental Modelling</i> , 2014, 26, 501-517.	0.3	0
63	Life history traits of Mediterranean brown trout ( <i>Salmo trutta</i> complex) in Pyrenean headwater streams. <i>Ichthyological Research</i> , 0, , 1.	0.5	0