

# Carles Ibanez

## List of Publications by Year in descending order

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Version: 2024-02-01

100  
papers

3,259  
citations

159525

30  
h-index

175177

52  
g-index

106  
all docs

106  
docs citations

106  
times ranked

4157  
citing authors

#	ARTICLE	IF	CITATIONS
1	Feeding Habits and Short-Term Mobility Patterns of Blue Crab, <i>Callinectes sapidus</i> , Across Invaded Habitats of the Ebro Delta Subjected to Contrasting Salinity. <i>Estuaries and Coasts</i> , 2022, 45, 839-855.	1.0	6
2	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
3	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
4	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
5	Restoration of Tidal Marshes. , 2021, , 443-475.		0
6	Environmental Flows in the Lower Ebro River and Delta: Current Status and Guidelines for a Holistic Approach. <i>Water (Switzerland)</i> , 2020, 12, 2670.	1.2	15
7	The role of rice fields and constructed wetlands as a source and a sink of pesticides and contaminants of emerging concern: Full-scale evaluation. <i>Ecological Engineering</i> , 2020, 156, 105971.	1.6	24
8	Prey size and species preferences in the invasive blue crab, <i>Callinectes sapidus</i> : Potential effects in marine and freshwater ecosystems. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 245, 106997.	0.9	16
9	Carbon metabolic rates and GHG emissions in different wetland types of the Ebro Delta. <i>PLoS ONE</i> , 2020, 15, e0231713.	1.1	16
10	Changing nutrients, changing rivers. <i>Science</i> , 2019, 365, 637-638.	6.0	58
11	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
12	The Influence of Flow Regime on Ecological Quality, Bird Diversity, and Shellfish Fisheries in a Lowland Mediterranean River and Its Coastal Area. <i>Water (Switzerland)</i> , 2019, 11, 918.	1.2	15
13	Flow Regime and Nutrient-Loading Trends from the Largest South European Watersheds: Implications for the Productivity of Mediterranean and Black Sea's Coastal Areas. <i>Water (Switzerland)</i> , 2019, 11, 1.	1.2	130
14	Environmental controls on carbon sequestration, sediment accretion, and elevation change in the Ebro River Delta: Implications for wetland restoration. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 222, 32-42.	0.9	17
15	Status and Sustainability of Mediterranean Deltas: The Case of the Ebro, Rhône, and Po Deltas and Venice Lagoon. , 2019, , 237-249.		6
16	Normalized abundance spectra of fish community reflect hydro-peaking on a Mediterranean large river. <i>Ecological Indicators</i> , 2019, 97, 280-289.	2.6	8
17	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
18	Dependence of sediment sorting on bedload transport phase in a river meander. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 2077-2088.	1.2	5

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19	Bed load transport and incipient motion below a large gravel bed river bend. <i>Advances in Water Resources</i> , 2018, 120, 83-97.	1.7	7
20	Neglecting the fallow season can significantly underestimate annual methane emissions in Mediterranean rice fields. <i>PLoS ONE</i> , 2018, 13, e0198081.	1.1	15
21	Linking fish-based biological indicators with hydrological dynamics in a Mediterranean river: Relevance for environmental flow regimes. <i>Ecological Indicators</i> , 2018, 95, 492-501.	2.6	18
22	Global-change effects on early-stage decomposition processes in tidal wetlands – implications from a global survey using standardized litter. <i>Biogeosciences</i> , 2018, 15, 3189-3202.	1.3	73
23	Ebro Delta (Spain). , 2018, , 1113-1121.		0
24	Impact of a reservoir system on benthic macroinvertebrate and diatom communities of a large Mediterranean river (lower Ebro river, Catalonia, Spain). , 2018, , 209-228.		1
25	The impact of two large floods (1993–1994) on sediment deposition in the Rhône delta: Implications for sustainable management. <i>Science of the Total Environment</i> , 2017, 609, 251-262.	3.9	18
26	Effects of agri-environmental and organic rice farming on yield and macrophyte community in Mediterranean paddy fields. <i>Paddy and Water Environment</i> , 2017, 15, 457-468.	1.0	12
27	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
28	Water management alters phytoplankton and zooplankton communities in Ebro delta coastal lagoons. , 2017, , 113-126.		0
29	Benthic foraminifera as indicators of habitat in a Mediterranean delta: implications for ecological and palaeoenvironmental studies. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 180, 97-113.	0.9	21
30	Changes in water and soil metals in a Mediterranean restored marsh subject to different water management schemes. <i>Restoration Ecology</i> , 2016, 24, 235-243.	1.4	6
31	Holocene palaeoenvironmental evolution of the Ebro Delta (Western Mediterranean Sea): Evidence for an early construction based on the benthic foraminiferal record. <i>Holocene</i> , 2016, 26, 1438-1456.	0.9	28
32	Benthic macrofaunal dynamics and environmental stress across a salt wedge Mediterranean estuary. <i>Marine Environmental Research</i> , 2016, 117, 21-31.	1.1	14
33	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
34	Sexing and Ageing the Purple Swamphen <i>Porphyrio porphyrio</i> by Plumage and Biometry. <i>Ardeola</i> , 2016, 63, 261.	0.4	4
35	Environmental filtering determines metacommunity structure in wetland microcrustaceans. <i>Oecologia</i> , 2016, 181, 193-205.	0.9	34
36	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

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37	Ebro Delta (Spain). , 2016, , 1-9.		1
38	Genetic and Physiological Diversity in the Diatom <i>Nitzschia inconspicua</i> . Journal of Eukaryotic Microbiology, 2015, 62, 815-832.	0.8	35
39	Benthic diatoms in a Mediterranean delta: ecological indicators and a conductivity transfer function for paleoenvironmental studies. Journal of Paleolimnology, 2015, 54, 171-188.	0.8	17
40	Biological Indices Based on Macrophytes: An Overview of Methods Used in Catalonia and the USA to Determine the Status of Rivers and Wetlands. Handbook of Environmental Chemistry, 2015, , 81-99.	0.2	1
41	Biological Indicators to Assess the Ecological Status of River-Dominated Estuaries: The Case of Benthic Indicators in the Ebro River Estuary. Handbook of Environmental Chemistry, 2015, , 149-170.	0.2	1
42	Benthic foraminifera as indicators of habitat change in anthropogenically impacted coastal wetlands of the Ebro Delta (NE Iberian Peninsula). Marine Pollution Bulletin, 2015, 101, 163-173.	2.3	16
43	Suspended sediment load at the lowermost Ebro River (Catalonia, Spain). Quaternary International, 2015, 388, 188-198.	0.7	30
44	Rice Fields Used as Feeding Habitats for Waterfowl throughout the Growing Season. Waterbirds, 2015, 38, 238-251.	0.2	5
45	New Tools to Analyse the Ecological Status of Mediterranean Wetlands and Shallow Lakes. Handbook of Environmental Chemistry, 2015, , 171-199.	0.2	6
46	Seasonal effects of waterfowl grazing on submerged macrophytes: The role of flowers. Aquatic Botany, 2015, 120, 275-282.	0.8	9
47	Biogas production from sewage sludge and microalgae co-digestion under mesophilic and thermophilic conditions. Renewable Energy, 2015, 75, 374-380.	4.3	88
48	Fluvial response to climate variations and anthropogenic perturbations for the Ebro River, Spain in the last 4000 years. Science of the Total Environment, 2014, 473-474, 20-31.	3.9	24
49	The response of deltas to sea-level rise: Natural mechanisms and management options to adapt to high-end scenarios. Ecological Engineering, 2014, 65, 122-130.	1.6	75
50	Influence of salinity regime on the food-web structure and feeding ecology of fish species from Mediterranean coastal lagoons. Estuarine, Coastal and Shelf Science, 2014, 139, 1-10.	0.9	26
51	Towards a suitable ecological status assessment of highly stratified mediterranean estuaries: A comparison of benthic invertebrate fauna indices. Ecological Indicators, 2014, 46, 177-187.	2.6	17
52	Freshwater inflows and seasonal forcing strongly influence macrofaunal assemblages in Mediterranean coastal lagoons. Estuarine, Coastal and Shelf Science, 2014, 147, 68-77.	0.9	12
53	Effects of flow regulation on the establishment of alien fish species: A community structure approach to biological validation of environmental flows. Ecological Indicators, 2014, 45, 598-604.	2.6	33
54	Modelling the response of microalgae to CO2 addition. Ecological Modelling, 2014, 294, 42-50.	1.2	6

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55	Changes in nutrient concentration and carbon accumulation in a mediterranean restored marsh (Ebro Delta, Spain). <i>Ecological Engineering</i> , 2014, 71, 278-289.	1.6	12
56	Sediment imbalances and flooding risk in European deltas and estuaries. <i>Journal of Soils and Sediments</i> , 2014, 14, 1493-1512.	1.5	20
57	Modelling Habitat Distribution of Mediterranean Coastal Wetlands: The Ebro Delta as Case Study. <i>Wetlands</i> , 2014, 34, 775-785.	0.7	18
58	Habitat use by a large population of <i>Pinna nobilis</i> in shallow waters. <i>Scientia Marina</i> , 2014, 78, 555-565.	0.3	43
59	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
60	Mineral versus organic contribution to vertical accretion and elevation change in restored marshes (Ebro Delta, Spain). <i>Ecological Engineering</i> , 2013, 61, 12-22.	1.6	15
61	Evaluation of seasonal variability in the food-web properties of coastal lagoons subjected to contrasting salinity gradients using network analyses. <i>Ecological Modelling</i> , 2013, 265, 180-193.	1.2	10
62	Spatio-Temporal Patterns of Submerged Macrophytes in Three Hydrologically Altered Mediterranean Coastal Lagoons. <i>Estuaries and Coasts</i> , 2013, 36, 414-429.	1.0	23
63	The global sustainability transition: it is more than changing light bulbs. <i>Sustainability: Science, Practice, and Policy</i> , 2013, 9, 4-15.	1.1	21
64	Impacts of Water Scarcity and Drought on Iberian Aquatic Ecosystems. , 2013, , 169-184.		5
65	Salinity as the main factor structuring small-bodied fish assemblages in hydrologically altered Mediterranean coastal lagoons. <i>Scientia Marina</i> , 2013, 77, 37-45.	0.3	14
66	Monitoring the effects of floods on submerged macrophytes in a large river. <i>Science of the Total Environment</i> , 2012, 440, 132-139.	3.9	32
67	Harvesting the microalgae <i>Phaeodactylum tricornutum</i> with polyaluminum chloride, aluminium sulphate, chitosan and alkalinity-induced flocculation. <i>Journal of Applied Phycology</i> , 2012, 24, 1067-1080.	1.5	169
68	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
69	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
70	The effects of hydrological dynamics on benthic diatom community structure in a highly stratified estuary: The case of the Ebro Estuary (Catalonia, Spain). <i>Estuarine, Coastal and Shelf Science</i> , 2012, 101, 1-14.	0.9	27
71	The use of diatom assemblages as ecological indicators in highly stratified estuaries and evaluation of existing diatom indices. <i>Marine Pollution Bulletin</i> , 2012, 64, 500-511.	2.3	35
72	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

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73	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
74	<i>Planothidium iberense</i> sp. nov., a new brackish diatom of the Ebro Estuary, northeast Spain. <i>Diatom Research</i> , 2011, 26, 99-107.	0.5	5
75	Sustainability of Mediterranean Deltaic and Lagoon Wetlands with Sea-Level Rise: The Importance of River Input. <i>Estuaries and Coasts</i> , 2011, 34, 483-493.	1.0	82
76	Community structure of benthic macroinvertebrates inhabiting a highly stratified Mediterranean estuary. <i>Scientia Marina</i> , 2011, 75, 577-584.	0.3	16
77	Vertical Accretion and Relative Sea Level Rise in the Ebro Delta Wetlands (Catalonia, Spain). <i>Wetlands</i> , 2010, 30, 979-988.	0.7	56
78	Ecotoxicological effects of rice field waters on selected planktonic species: comparison between conventional and organic farming. <i>Ecotoxicology</i> , 2010, 19, 1523-1535.	1.1	21
79	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.	3.9	49
80	Influence on Birds of Rice Field Management Practices during the Growing Season: A Review and an Experiment. <i>Waterbirds</i> , 2010, 33, 167.	0.2	50
81	<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
82	Ecological Indicators to Assess the Health of River Ecosystems. <i>Applied Ecology and Environmental Management</i> , 2010, , 447-464.	0.1	7
83	Ecology in Times of Scarcity. <i>BioScience</i> , 2009, 59, 321-331.	2.2	66
84	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. <i>Aquatic Insects</i> , 2008, 30, 163-178.	0.6	23
85	Changes in dissolved nutrients in the lower Ebro river: Causes and consequences. , 2008, 27, 131-142.		37
86	Sediment management options for the lower Ebro River and its delta. <i>Journal of Soils and Sediments</i> , 2007, 7, 285-295.	1.5	66
87	River basin management and delta sustainability: A commentary on the Ebro Delta and the Spanish National Hydrological Plan. <i>Ecological Engineering</i> , 2006, 26, 85-99.	1.6	42
88	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.	1.2	63
89	NET PRIMARY PRODUCTIVITY AS AN INDICATOR OF SUSTAINABILITY IN THE EBRO AND MISSISSIPPI DELTAS. , 2002, 12, 1044-1055.		32
90	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

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91	Response scenarios for the deltaic plain of the Rhône in the face of an acceleration in the rate of sea-level rise with special attention to Salicornia-type environments. <i>Estuaries and Coasts</i> , 2002, 25, 337-358.	1.7	85
92	A Model to Determine the Advective Circulation in a Three Layer, Salt Wedge Estuary: Application to the Ebre River Estuary. <i>Estuarine, Coastal and Shelf Science</i> , 1999, 48, 271-279.	0.9	16
93	Rapid Degradation of Propanil in Rice Crop Fields. <i>Environmental Science &amp; Technology</i> , 1998, 32, 3479-3484.	4.6	49
94	Characterization of the Ebre and Rhone estuaries: A basis for defining and classifying salt wedge estuaries. <i>Limnology and Oceanography</i> , 1997, 42, 89-101.	1.6	115
95	Morphologic development, relative sea level rise and sustainable management of water and sediment in the Ebre Delta, Spain. <i>Journal of Coastal Conservation</i> , 1997, 3, 191-202.	0.7	82
96	Morphologic development, relative sea level rise and sustainable management of water and sediment in the Ebre Delta, Spain. <i>Journal of Coastal Conservation</i> , 1997, 3, 191-202.	0.7	21
97	Changes in the hydrology and sediment transport produced by large dams on the lower Ebro river and its estuary. <i>River Research and Applications</i> , 1996, 12, 51-62.	1.1	147
98	Impacts of sea-level rise on the Ebro Delta: a first approach. <i>Ocean and Coastal Management</i> , 1996, 30, 197-216.	2.0	24
99	Impacts of Sea-Level Rise on Deltas in the Gulf of Mexico and the Mediterranean: The Importance of Pulsing Events to Sustainability. <i>Estuaries and Coasts</i> , 1995, 18, 636.	1.7	212
100	Effects of water transfers projected in the Spanish National Hydrological plan on the ecology of the lower river ebro (N.E. Spain) and its delta. <i>Water Science and Technology</i> , 1995, 31, 79.	1.2	8