Fco Javier Sanz-Ronda

List of Publications by Year
in descending order

43 papers	532 citations	623699 14 h-index	677123 22 g-index
44 all docs	44 docs citations	44 times ranked	343 citing authors

#	Article	IF	Citations
1	Breaking the speed limit â€" comparative sprinting performance of brook trout (Salvelinus) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Sciences, 2013, 70, 280-293.	1.4	64
2	Sprinting performance of two Iberian fish: Luciobarbus bocagei and Pseudochondrostoma duriense in an open channel flume. Ecological Engineering, 2015, 83, 61-70.	3.6	50
3	Non-uniform hydraulic behavior of pool-weir fishways: A tool to optimize its design and performance. Ecological Engineering, 2016, 86, 5-12.	3.6	36
4	Ascent ability of brown trout,Salmo trutta, and two Iberian cyprinids â^' Iberian barbel,Luciobarbus bocagei, and northern straight-mouth nase,Pseudochondrostoma durienseâ^' in a vertical slot fishway. Knowledge and Management of Aquatic Ecosystems, 2016, , 10.	1.1	33
5	Modeling Water-Depth Distribution in Vertical-Slot Fishways under Uniform and Nonuniform Scenarios. Journal of Hydraulic Engineering, 2014, 140, .	1.5	26
6	Bidirectional connectivity via fish ladders in a large Neotropical river. River Research and Applications, 2019, 35, 236-246.	1.7	25
7	Fishway with two entrance branches: Understanding its performance for potamodromous Mediterranean barbels. Fisheries Management and Ecology, 2018, 25, 12-21.	2.0	23
8	Hydropower Development and Fishways: A Need for Connectivity in Rivers of the Upper ParanÃ¡ Basin. Sustainability, 2019, 11, 3749.	3.2	23
9	Passage Performance of Technical Pool-Type Fishways for Potamodromous Cyprinids: Novel Experiences in Semiarid Environments. Water (Switzerland), 2019, 11, 2362.	2.7	20
10	Seasonal and daily upstream movements of brown troutSalmo truttain an Iberian regulated river. Knowledge and Management of Aquatic Ecosystems, 2017, , 9.	1.1	19
11	Villemonte's approach: a general method for modeling uniform and non-uniform performance in stepped fishways. Knowledge and Management of Aquatic Ecosystems, 2017, , 23.	1.1	16
12	Potamodromous brown trout movements in the North of the Iberian Peninsula: Modelling past, present and future based on continuous fishway monitoring. Science of the Total Environment, 2018, 640-641, 1521-1536.	8.0	16
13	Physical habitat of zebra mussel (Dreissena polymorpha) in the lower Ebro River (Northeastern Spain): influence of hydraulic parameters in their distribution. Hydrobiologia, 2014, 735, 137-147.	2.0	15
14	Fish passage assessment in stepped fishways: Passage success and transit time as standardized metrics. Ecological Engineering, 2021, 162, 106172.	3.6	15
15	Vertical slot versus submerged notch with bottom orifice: Looking for the best technical fishway type for Mediterranean barbels. Ecological Engineering, 2018, 122, 120-125.	3.6	14
16	Coarse fishway assessment to prioritize retrofitting efforts: A case study in the Duero River basin. Ecological Engineering, 2020, 155, 105946.	3.6	14
17	Fishways as Downstream Routes in Small Hydropower Plants: Experiences with a Potamodromous Cyprinid. Water (Switzerland), 2021, 13, 1041.	2.7	14
18	Turning Pools in Stepped Fishways: Biological Assessment via Fish Response and CFD Models. Water (Switzerland), 2021, 13, 1186.	2.7	12

#	Article	IF	Citations
19	Fish morphology and passage through velocity barriers. Experience with northern straight-mouth nase (Pseudochondrostoma duriense Coelho, 1985) in an open channel flume. Hydrobiologia, 2022, 849, 1351-1366.	2.0	12
20	Pre-reproductive movements of potamodromous cyprinids in the Iberian Peninsula: when environmental variability meets semipermeable barriers. Hydrobiologia, 2022, 849, 1317-1338.	2.0	11
21	Artificial lateral line for aquatic habitat modelling: An example for Lefua echigonia. Ecological Informatics, 2021, 65, 101388.	5.2	11
22	A Custom Sensor Network for Autonomous Water Quality Assessment in Fish Farms. Electronics (Switzerland), 2021, 10, 2192.	3.1	8
23	A Step to Smart Fishways: An Autonomous Obstruction Detection System Using Hydraulic Modeling and Sensor Networks. Sensors, 2021, 21, 6909.	3.8	8
24	Multispecies fishways in a Mediterranean river: Contributions as migration corridors and compensatory habitat for fish. Science of the Total Environment, 2022, 830, 154613.	8.0	8
25	Daily movement behavior of two Neotropical armored catfish species (Ancistrusaff.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T crossing culvert. Journal of Applied Ichthyology, 2017, 33, 1092-1099.	0.7	6
26	Upstream migration of anadromous and potamodromous brown trout: patterns and triggers in a 25-year overview. Hydrobiologia, 2022, 849, 197-213.	2.0	6
27	Influencia de factores ambientales y biomÃ©tricos en la capacidad de nado del barbo ibÃ©rico (Luciobarbus bocagei Steindachner, 1864), un ciprÃ¡nido potamÃ³dromo endÃ©mico de la PenÃ¡nsula IbÃ©rica. , 2018, , 251-265.		5
28	Effect of restoration measures in Atlantic rivers: A 25â€year overview of sea and riverine brown trout populations in the River Bidasoa. Fisheries Management and Ecology, 2020, 27, 580-590.	2.0	4
29	OpenFOAM vs FLOW-3D: A comparative study of vertical slot fishway modelling. Ecological Engineering, 2022, 174, 106446.	3.6	4
30	Bases metodolÃ³gicas para el cÃ¡lculo de muros entramados de madera con vegetaciÃ³n o muros Krainer. Informes De La Construccion, 2014, 66, e012.	0.3	3
31	Hydropeaking impact assessment for Iberian cyprinids and leuciscids: An adaptation of the hydropeaking tool method. River Research and Applications, 2023, 39, 340-348.	1.7	3
32	Bidirectional connectivity via fish ladders in a large Neotropical river: Response to a comment. River Research and Applications, 2020, 36, 1377-1381.	1.7	2
33	Methods for Watering Seedlings in Arid Zones. Forests, 2022, 13, 351.	2.1	2
34	Fish Upstream Passage through Gauging Stations: Experiences with Iberian Barbel in Flat-V Weirs. Fishes, 2021, 6, 81.	1.7	2
35	Capacidad de nado de ciprÃ¡nidos potamÃ³dromos ibÃ©ricos. ExperimentaciÃ³n en el canal de nado de Vadocondes. Cuadernos De La Sociedad EspaÃ±ola De Ciencias Forestales, 2019, 45, 271-278.	0.1	1
36	Estimating Fish Passage over Velocity Barriers for Non-Uniform Flow Conditions: A Case Study in Flat-V Gauging Weirs. , 0, , .		1

#	Article	IF	Citations
37	LIFE Segura-Riverlink as a green infrastructure approach to recover the longitudinal connectivity: preliminary data of the fish-based assessment.. Frontiers in Marine Science, 0, 2, .	2.5	0
38	MetodologÃa "AEPS" aplicada a la evaluaciÃ³n de escalas para peces en la cuenca hidrogrÃ¡fica del rÃo Duero. Cuadernos De La Sociedad EspaÃ±ola De Ciencias Forestales, 2019, 45, 279-288.	0.1	0
39	Smart Fishways: A Sensor Network for the Assessment of Fishway Performance. , 0, , .		0
40	Upstream Movement Capacity of Invasive Signal Crayfish (Pacifastacus leniusculus) under Different Environmental and Biometric Factors. , 0, , .		0
41	Two-Way Migration of a Potamodromous Cyprinid in a Small Hydropower Plant with a Pool Type Fishway. , 0, , .		0
42	Management and Conservation of Fish Populations in Mountain Streams: An Holistic Approach in the Framework of LIFE DIVAQUA Project. , 0, , .		0
43	Fishway Attraction Efficiency during Upstream and Down-Stream Migration: Field Tests in a Small Hydropower Plant with Run-of-the-River Configuration. , 0, , .		0