Rafael MuÃ±oz-Mas

List of Publications by Year
in descending order

32 papers	725 citations	566801 15 h-index	552369 26 g-index
32 all docs	32 docs citations	32 times ranked	797 citing authors

#	Article	IF	Citations
1	Potential impacts of climate change on flow regime and fish habitat in mountain rivers of the south-western Balkans. Science of the Total Environment, 2016, 540, 418-428.	3.9	86
2	Assessment of brown trout habitat suitability in the Jucar River Basin (SPAIN): Comparison of data-driven approaches with fuzzy-logic models and univariate suitability curves. Science of the Total Environment, 2012, 440, 123-131.	3.9	68
3	Random forests to evaluate biotic interactions in fish distribution models. Environmental Modelling and Software, 2015, 67, 173-183.	1.9	60
4	Determination of environmental flows in rivers using an integrated hydrological-hydrodynamic-habitat modelling approach. Journal of Environmental Management, 2018, 209, 273-285.	3.8	53
5	Shifts in the suitable habitat available for brown trout (Salmo trutta L.) under short-term climate change scenarios. Science of the Total Environment, 2016, 544, 686-700.	3.9	44
6	HABITAT SUITABILITY MODELLING AT MESOHABITAT SCALE AND EFFECTS OF DAM OPERATION ON THE ENDANGERED JÃºCAR NASE, PARACHONDROSTOMA ARRIGONIS (RIVER CABRIEL, SPAIN). River Research and Applications, 2012, 28, 740-752.	0.7	41
7	Exploring the key drivers of riparian woodland successional pathways across three European river reaches. Ecohydrology, 2017, 10, e1888.	1.1	41
8	Generalized additive and fuzzy models in environmental flow assessment: A comparison employing the West Balkan trout (Salmo farioides; Karaman, 1938). Ecological Engineering, 2016, 91, 365-377.	1.6	29
9	Waning habitats due to climate change: the effects of changes in streamflow and temperature at the rear edge of the distribution of a cold-water fish. Hydrology and Earth System Sciences, 2017, 21, 4073-4101.	1.9	28
10	Comparing four methods for decision-tree induction: A case study on the invasive Iberian gudgeon () Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.3	23
11	Determining the macroinvertebrate community indicators and relevant environmental predictors of the Hun-Tai River Basin (Northeast China): A study based on community patterning. Science of the Total Environment, 2018, 634, 749-759.	3.9	23
12	Application of Probabilistic Neural Networks to microhabitat suitability modelling for adult brown trout (Salmo trutta L.) in Iberian rivers. Environmental Modelling and Software, 2014, 59, 30-43.	1.9	21
13	Alien animal introductions in Iberian inland waters: An update and analysis. Science of the Total Environment, 2020, 703, 134505.	3.9	21
14	Tree-based ensembles unveil the microhabitat suitability for the invasive bleak (Alburnus alburnus L.) and pumpkinseed (Lepomis gibbosus L.): Introducing XGBoost to eco-informatics. Ecological Informatics, 2019, 53, 100974.	2.3	19
15	Revisiting probabilistic neural networks: a comparative study with support vector machines and the microhabitat suitability for the Eastern Iberian chub (Squalius valentinus). Ecological Informatics, 2018, 43, 24-37.	2.3	17
16	Combining literature-based and data-driven fuzzy models to predict brown trout (Salmo trutta L.) spawning habitat degradation induced by climate change. Ecological Modelling, 2018, 386, 98-114.	1.2	17
17	Fish community responses to antecedent hydrological conditions based on long-term data in Mediterranean river basins (Iberian Peninsula). Science of the Total Environment, 2020, 728, 138052.	3.9	15
18	Effects of reservoir cascades on diversity, distribution, and abundance of fish assemblages in three Neotropical basins. Science of the Total Environment, 2021, 778, 146246.	3.9	15

#	Article	IF	Citations
19	Can multilayer perceptron ensembles model the ecological niche of freshwater fish species?. Ecological Modelling, 2015, 309-310, 72-81.	1.2	14
20	Risk of invasion predicted with support vector machines: A case study on northern pike (Esox Lucius ,) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.2	14
21	On species distribution modelling, spatial scales and environmental flow assessment with Multiâ€“Layer Perceptron Ensembles: A case study on the redfin barbel (Barbus haasi; Mertens, 1925). Limnologica, 2017, 62, 161-172.	0.7	13
22	Investigating the influence of habitat structure and hydraulics on tropical macroinvertebrate communities. Ecohydrology and Hydrobiology, 2019, 19, 339-350.	1.0	13
23	Generalized additive models to predict adult and young brown trout (Salmo truttaLinnaeus,) Tj ETQq1 1 0.784314 rgBT /Overl	0.3	8
24	Microhabitat competition between Iberian fish species and the endangered JÃºcar nase (Parachondrostoma arrigonis; Steindachner, 1866). Journal of Ecohydraulics, 2017, 2, 3-15.	1.6	7
25	Habitat evaluation for the endangered fish species Lefua echigonia in the Yagawa River, Japan. Journal of Ecohydraulics, 2019, 4, 147-157.	1.6	7
26	ï»¿Management of invasive alien species in Spain: A bibliometric review. NeoBiota, 0, 70, 123-150.	1.0	7
27	Movement patterns of forest elephants (Loxodonta cyclotis Matschie, 1900) in the Odzalaâ€Kokoua National Park, Republic of Congo. African Journal of Ecology, 2020, 58, 23-33.	0.4	5
28	Effects of climate change on the life stages of streamâ€dwelling brown trout (<scp>Salmo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 2020, 13, e2241.	1.1	5
29	Application of the physical habitat simulation for fish species to assess environmental flows in an Atlantic Forest Stream in South-eastern Brazil. Neotropical Ichthyology, 2015, 13, 685-698.	0.5	4
30	Microhabitat preferences of fish assemblages in the Udzungwa Mountains (Eastern Africa). Ecology of Freshwater Fish, 2019, 28, 473-484.	0.7	4
31	Spatial validation of submerged fluvial topographic models by mesohabitat units. International Journal of Remote Sensing, 2021, 42, 2391-2416.	1.3	3
32	Quantification of environmental water requirements; how far can we go?. , 2021, , 235-280.		0