

# Rafael Muñoz-Mas

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Effects of reservoir cascades on diversity, distribution, and abundance of fish assemblages in three Neotropical basins. <i>Science of the Total Environment</i> , 2021, 778, 146246.   | 3.9 | 15        |
| 2  | Quantification of environmental water requirements; how far can we go?. , 2021, , 235-280.  |     | 0         |
| 3  | Spatial validation of submerged fluvial topographic models by mesohabitat units. <i>International Journal of Remote Sensing</i> , 2021, 42, 2391-2416.  | 1.3 | 3         |
| 4  | Alien animal introductions in Iberian inland waters: An update and analysis. <i>Science of the Total Environment</i> , 2020, 703, 134505.   | 3.9 | 21        |
| 5  | Movement patterns of forest elephants ( <i>Loxodonta cyclotis</i> Matschie, 1900) in the Odzala-Kokoua National Park, Republic of Congo. <i>African Journal of Ecology</i> , 2020, 58, 23-33.   | 0.4 | 5         |
| 6  | Effects of climate change on the life stages of stream-dwelling brown trout ( <i>Salmo trutta</i> ) in the Iberian Peninsula. <i>Journal of Hydrology</i> , 2020, 13, e2241.  | 1.1 | 5         |
| 7  | Fish community responses to antecedent hydrological conditions based on long-term data in Mediterranean river basins (Iberian Peninsula). <i>Science of the Total Environment</i> , 2020, 728, 138052.  | 3.9 | 15        |
| 8  | Investigating the influence of habitat structure and hydraulics on tropical macroinvertebrate communities. <i>Ecohydrology and Hydrobiology</i> , 2019, 19, 339-350.  | 1.0 | 13        |
| 9  | Tree-based ensembles unveil the microhabitat suitability for the invasive bleak ( <i>Alburnus alburnus</i> L.) and pumpkinseed ( <i>Lepomis gibbosus</i> L.): Introducing XGBoost to eco-informatics. <i>Ecological Informatics</i> , 2019, 53, 100974. | 2.3 | 19        |
| 10 | Habitat evaluation for the endangered fish species <i>Lefua echigonia</i> in the Yagawa River, Japan. <i>Journal of Ecohydraulics</i> , 2019, 4, 147-157.   | 1.6 | 7         |
| 11 | Microhabitat preferences of fish assemblages in the Udzungwa Mountains (Eastern Africa). <i>Ecology of Freshwater Fish</i> , 2019, 28, 473-484.   | 0.7 | 4         |
| 12 | Determining the macroinvertebrate community indicators and relevant environmental predictors of the Hun-Tai River Basin (Northeast China): A study based on community patterning. <i>Science of the Total Environment</i> , 2018, 634, 749-759.         | 3.9 | 23        |
| 13 | Determination of environmental flows in rivers using an integrated hydrological-hydrodynamic-habitat modelling approach. <i>Journal of Environmental Management</i> , 2018, 209, 273-285.   | 3.8 | 53        |
| 14 | Revisiting probabilistic neural networks: a comparative study with support vector machines and the microhabitat suitability for the Eastern Iberian chub ( <i>Squalius valentinus</i> ). <i>Ecological Informatics</i> , 2018, 43, 24-37.               | 2.3 | 17        |
| 15 | Combining literature-based and data-driven fuzzy models to predict brown trout ( <i>Salmo trutta</i> L.) spawning habitat degradation induced by climate change. <i>Ecological Modelling</i> , 2018, 386, 98-114.                                       | 1.2 | 17        |
| 16 | Microhabitat competition between Iberian fish species and the endangered Iberian nase ( <i>Parachondrostoma toxostoma</i> ; Steindachner, 1866). <i>Journal of Ecohydraulics</i> , 2017, 2, 3-15.   | 1.6 | 7         |
| 17 | Exploring the key drivers of riparian woodland successional pathways across three European river reaches. <i>Ecohydrology</i> , 2017, 10, e1888.  | 1.1 | 41        |
| 18 | On species distribution modelling, spatial scales and environmental flow assessment with Multi-Layer Perceptron Ensembles: A case study on the redfin barbel ( <i>Barbus haasi</i> ; Mertens, 1925). <i>Limnologica</i> , 2017, 62, 161-172.            | 0.7 | 13        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | 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. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 4073-4101.                      | 1.9 | 28        |
| 20 | Comparing four methods for decision-tree induction: A case study on the invasive Iberian gudgeon ( <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i> )   | 2.3 | 23        |
| 21 | Generalized additive and fuzzy models in environmental flow assessment: A comparison employing the West Balkan trout ( <i>Salmo fario</i> ides; Karaman, 1938). <i>Ecological Engineering</i> , 2016, 91, 365-377.                            | 1.6 | 29        |
| 22 | Risk of invasion predicted with support vector machines: A case study on northern pike ( <i>Esox Lucius</i> , ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i>   | 1.2 | 14        |
| 23 | Generalized additive models to predict adult and young brown trout ( <i>Salmo trutta</i> Linnaeus,) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i>   | 0.3 | 8         |
| 24 | Shifts in the suitable habitat available for brown trout ( <i>Salmo trutta</i> L.) under short-term climate change scenarios. <i>Science of the Total Environment</i> , 2016, 544, 686-700.   | 3.9 | 44        |
| 25 | Potential impacts of climate change on flow regime and fish habitat in mountain rivers of the south-western Balkans. <i>Science of the Total Environment</i> , 2016, 540, 418-428.  | 3.9 | 86        |
| 26 | Application of the physical habitat simulation for fish species to assess environmental flows in an Atlantic Forest Stream in South-eastern Brazil. <i>Neotropical Ichthyology</i> , 2015, 13, 685-698.                                       | 0.5 | 4         |
| 27 | Can multilayer perceptron ensembles model the ecological niche of freshwater fish species?. <i>Ecological Modelling</i> , 2015, 309-310, 72-81.   | 1.2 | 14        |
| 28 | Random forests to evaluate biotic interactions in fish distribution models. <i>Environmental Modelling and Software</i> , 2015, 67, 173-183.  | 1.9 | 60        |
| 29 | Application of Probabilistic Neural Networks to microhabitat suitability modelling for adult brown trout ( <i>Salmo trutta</i> L.) in Iberian rivers. <i>Environmental Modelling and Software</i> , 2014, 59, 30-43.                          | 1.9 | 21        |
| 30 | 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. <i>Science of the Total Environment</i> , 2012, 440, 123-131. | 3.9 | 68        |
| 31 | HABITAT SUITABILITY MODELLING AT MESOHABITAT SCALE AND EFFECTS OF DAM OPERATION ON THE ENDANGERED JÁCAR NASE, <i>PARACHONDROSTOMA ARRIGONIS</i> (RIVER CABRIEL, SPAIN). <i>River Research and Applications</i> , 2012, 28, 740-752.           | 0.7 | 41        |
| 32 | Management of invasive alien species in Spain: A bibliometric review. <i>NeoBiota</i> , 0, 70, 123-150.   | 1.0 | 7         |