

# Jesus Muoz

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91  
papers

2,500  
citations

25  
h-index

48  
g-index

99  
ext. papers

2,811  
ext. citations

2.6  
avg, IF

4.92  
L-index

| #  | Paper   | IF   | Citations |
|----|---|------|-----------|
| 91 | Small but visible: Predicting rare bryophyte distribution and richness patterns using remote sensing-based ensembles of small models.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0260543   | 3.7  | 0         |
| 90 | How vulnerable are bryophytes to climate change? Developing new species and community vulnerability indices. <i>Ecological Indicators</i> , <b>2022</b> , 136, 108643   | 5.8  | 0         |
| 89 | New national and regional bryophyte records, 69. <i>Journal of Bryology</i> , <b>2022</b> , 44, 87-102  | 1.1  | 0         |
| 88 | Urban Vegetation Leveraging Actions. <i>Sustainability</i> , <b>2021</b> , 13, 4843   | 3.6  | 1         |
| 87 | Protected area networks do not represent unseen biodiversity. <i>Scientific Reports</i> , <b>2021</b> , 11, 12275   | 4.9  | 7         |
| 86 | Improvement of Classroom Conditions and CO2 Concentrations Through Natural Ventilation Measures Reinforced with NBS Implementation. <i>Environmental Science and Engineering</i> , <b>2021</b> , 2305-2309                  | 0.2  | 2         |
| 85 | Selection of nature-based solutions to improve comfort in schools during heat waves. <i>International Journal of Energy Production and Management</i> , <b>2021</b> , 6, 157-169  | 5.3  | 5         |
| 84 | PREDICTION OF THERMAL COMFORT AND ENERGY BEHAVIOUR THROUGH NATURAL-BASED SOLUTIONS IMPLEMENTATION: A CASE STUDY IN BADAJOZ, SPAIN <b>2020</b> ,   |      | 3         |
| 83 | Bryophytes are predicted to lag behind future climate change despite their high dispersal capacities. <i>Nature Communications</i> , <b>2020</b> , 11, 5601   | 17.4 | 17        |
| 82 | Population genetics of the Plumbeous Sierra-finch ( <i>Geospizopsis unicolor</i> ) across the Ecuadorian paramos: uncovering the footprints of the last ice age. <i>Journal of Ornithology</i> , <b>2020</b> , 161, 115-123 | 1.5  | 2         |
| 81 | Predicting hybridisation as a consequence of climate change in damselflies. <i>Insect Conservation and Diversity</i> , <b>2019</b> , 12, 427-436  | 3.8  |           |
| 80 | The role of abiotic mechanisms of long-distance dispersal in the American origin of the Galápagos flora. <i>Global Ecology and Biogeography</i> , <b>2019</b> , 28, 1610-1620   | 6.1  | 8         |
| 79 | Forest Diversity and Structure in the Amazonian Mountain Ranges of Southeastern Ecuador. <i>Diversity</i> , <b>2019</b> , 11, 196   | 2.5  | 2         |
| 78 | Climatic Niche Shift during Invasion and Its Potential Distribution under Future Scenarios. <i>Plants</i> , <b>2019</b> , 8,  | 4.5  | 2         |
| 77 | Molecular and ecological signatures of an expanding hybrid zone. <i>Ecology and Evolution</i> , <b>2018</b> , 8, 4793-4806  | 4.06 | 9         |
| 76 | New national and regional bryophyte records, 54. <i>Journal of Bryology</i> , <b>2018</b> , 40, 74-97   | 1.1  | 8         |
| 75 | Combined phylogenetic analysis of the subclass Marchantiidae (Marchantiophyta): towards a robustly diagnosed classification. <i>Cladistics</i> , <b>2018</b> , 34, 517-541  | 3.5  | 4         |

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|----|---|-----|----|
| 74 | New national and regional bryophyte records, 56. <i>Journal of Bryology</i> , <b>2018</b> , 40, 271-296   | 1.1 | 8  |
| 73 | Novedades para la brioflora de la Sierra de Gredos (Sistema Central, España), con especial énfasis en la comunidad de Extremadura.. <i>Acta Botanica Malacitana</i> , <b>2018</b> , 42, 193-200                                 |     |    |
| 72 | <i>Andreaea barbarae</i> (Andreaeaceae, Bryophytina), a new moss species from Lesotho. <i>Phytotaxa</i> , <b>2018</b> , 336, 148  | 0.7 | 1  |
| 71 | Climate change and the risk of spread of the fungus from the high mortality of <i>Theobroma cocoa</i> in Latin America. <i>Neotropical Biodiversity</i> , <b>2017</b> , 3, 30-40  | 0.7 | 9  |
| 70 | A Contribution to the Knowledge of Bryophytes from Sierra de Gredos (Central Spain) including a Reevaluation of Their National Conservation Status. <i>Cryptogamie, Bryologie</i> , <b>2017</b> , 38, 281-302                   | 0.8 | 3  |
| 69 | Climate threat on the Macaronesian endemic bryophyte flora. <i>Scientific Reports</i> , <b>2016</b> , 6, 29156  | 4.9 | 30 |
| 68 | Transplanting the leafy liverwort <i>Herbertus hutchinsiae</i> : a suitable conservation tool to maintain oceanic-montane liverwort-rich heath?. <i>Plant Ecology and Diversity</i> , <b>2016</b> , 9, 175-185                  | 2.2 | 5  |
| 67 | Body temperature regulation is associated with climatic and geographical variables but not wing pigmentation in two rubyspot damselflies (Odonata: Calopterygidae). <i>Physiological Entomology</i> , <b>2016</b> , 41, 132-142 | 1.9 | 6  |
| 66 | Rainbow trout ( <i>Oncorhynchus mykiss</i> ) threaten Andean amphibians. <i>Neotropical Biodiversity</i> , <b>2016</b> , 2, 26-36   | 0.7 | 24 |
| 65 | New records of the genera <i>Leptogorgia</i> , <i>Pacifigorgia</i> and <i>Eugorgia</i> (Octocorallia: Gorgoniidae) from Ecuador, with a description of a new species. <i>Scientia Marina</i> , <b>2016</b> , 80, 369-394        | 1.8 | 7  |
| 64 | The mossy north: an inverse latitudinal diversity gradient in European bryophytes. <i>Scientific Reports</i> , <b>2016</b> , 6, 25546   | 4.9 | 54 |
| 63 | Large expansion of oil industry in the Ecuadorian Amazon: biodiversity vulnerability and conservation alternatives. <i>Ecology and Evolution</i> , <b>2016</b> , 6, 4997-5012   | 2.8 | 48 |
| 62 | What is the potential of spread in invasive bryophytes?. <i>Ecography</i> , <b>2015</b> , 38, 480-487   | 6.5 | 33 |
| 61 | Conservation status assessment of <i>Paraphlebia</i> damselflies in Mexico. <i>Insect Conservation and Diversity</i> , <b>2015</b> , 8, 517-524   | 3.8 | 7  |
| 60 | How to describe species richness patterns for bryophyte conservation?. <i>Ecology and Evolution</i> , <b>2015</b> , 5, 5443-55  | 2.8 | 11 |
| 59 | Hybridization rate and climate change: are endangered species at risk?. <i>Journal of Insect Conservation</i> , <b>2014</b> , 18, 295-305   | 2.1 | 12 |
| 58 | The discovery of mature sporophytes of <i>Racomitrium laevigatum</i> A.Jaeger (Grimmiaceae). <i>Journal of Bryology</i> , <b>2014</b> , 36, 295-299   | 1.1 | 2  |
| 57 | Maximizing species conservation in continental Ecuador: a case of systematic conservation planning for biodiverse regions. <i>Ecology and Evolution</i> , <b>2014</b> , 4, 2410-22  | 2.8 | 38 |

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|----|--|------|-----|
| 56 | Combined use of systematic conservation planning, species distribution modelling, and connectivity analysis reveals severe conservation gaps in a megadiverse country (Peru). <i>PLoS ONE</i> , <b>2014</b> , 9, e114367                   | 3.7  | 61  |
| 55 | <i>Grimmia ulaandamana</i> (Grimmiaceae), a New Moss Species from China. <i>Annales Botanici Fennici</i> , <b>2013</b> , 50, 233-238   | 0.3  | 5   |
| 54 | A new spin on a compositionalist predictive modelling framework for conservation planning: A tropical case study in Ecuador. <i>Biological Conservation</i> , <b>2013</b> , 160, 150-161   | 6.2  | 30  |
| 53 | Lumping or splitting? The case of <i>Racomitrium</i> (Bryophytina: Grimmiaceae). <i>Taxon</i> , <b>2013</b> , 62, 1117-1132  | 0.8  | 17  |
| 52 | Molecular species delimitation in the <i>Racomitrium canescens</i> complex (Grimmiaceae) and implications for DNA barcoding of species complexes in mosses. <i>PLoS ONE</i> , <b>2013</b> , 8, e53134                                      | 3.7  | 28  |
| 51 | Modeling species distributions from heterogeneous data for the biogeographic regionalization of the European bryophyte flora. <i>PLoS ONE</i> , <b>2013</b> , 8, e55648  | 3.7  | 36  |
| 50 | Climate-induced range shifts and possible hybridisation consequences in insects. <i>PLoS ONE</i> , <b>2013</b> , 8, e80531   | 3.7  | 27  |
| 49 | Use of ring recoveries to predict habitat suitability in small passerines. <i>Diversity and Distributions</i> , <b>2012</b> , 18, 1130-1138  | 5    | 14  |
| 48 | Do Marmorcrebs, <i>Procambarus fallax f. virginalis</i> , threaten freshwater Japanese ecosystems?. <i>Aquatic Biosystems</i> , <b>2012</b> , 8, 13  |      | 11  |
| 47 | Phylogeny of haploleptideous mosses [challenges and perspectives. <i>Journal of Bryology</i> , <b>2012</b> , 34, 173-186   | 6.1  | 42  |
| 46 | Do stacked species distribution models reflect altitudinal diversity patterns?. <i>PLoS ONE</i> , <b>2012</b> , 7, e32586  | 3.7  | 60  |
| 45 | Legume diversity patterns in West Central Africa: influence of species biology on distribution models. <i>PLoS ONE</i> , <b>2012</b> , 7, e41526   | 3.7  | 19  |
| 44 | Restless 5S: the re-arrangement(s) and evolution of the nuclear ribosomal DNA in land plants. <i>Molecular Phylogenetics and Evolution</i> , <b>2011</b> , 61, 321-32  | 4.1  | 59  |
| 43 | Modelos de distribución de especies: Una revisión sintética. <i>Revista Chilena De Historia Natural</i> , <b>2011</b> , 84, 217-240  | 1.8  | 60  |
| 42 | <i>Bucklandiella araucana</i> (Grimmiaceae), a new species from Chile. <i>Bryologist</i> , <b>2011</b> , 114, 732-743  | 0.7  | 8   |
| 41 | Oceanic islands are not sinks of biodiversity in spore-producing plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 18989-94  | 11.5 | 60  |
| 40 | The taxonomic identity of the neglected <i>Racomitrium stenocladum</i> (Bryophyta, Grimmiaceae). <i>Gayana - Botanica</i> , <b>2011</b> , 68, 323-326  | 1.1  | 3   |
| 39 | Profile or group discriminative techniques? Generating reliable species distribution models using pseudo-absences and target-group absences from natural history collections. <i>Diversity and Distributions</i> , <b>2010</b> , 16, 84-94 | 5    | 101 |

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| 38 | Effects of the number of presences on reliability and stability of MARS species distribution models: the importance of regional niche variation and ecological heterogeneity. <i>Journal of Vegetation Science</i> , <b>2010</b> , 21, 908-922 | 3.1  | 34  |
| 37 | The discovery of <i>Bryum minii</i> Podp. ex Machado-Guim. in Spain, with new synonyms and correct authorship. <i>Bryologist</i> , <b>2010</b> , 113, 371-375  | 0.7  | 2   |
| 36 | <i>Rhynchostegium confusum</i> , a new species from the Iberian Peninsula and its relation to <i>R. confertum</i> based on morphological and molecular data. <i>Journal of Bryology</i> , <b>2010</b> , 32, 1-8                                | 1.1  | 11  |
| 35 | Ecological Restoration for Future Conservation Professionals: Training with Conceptual Models and Practical Exercises. <i>Ecological Restoration</i> , <b>2010</b> , 28, 175-181   |      | 6   |
| 34 | <i>Grimmia horrida</i> (Grimmiaceae), a new species from the Iberian Peninsula. <i>Bryologist</i> , <b>2009</b> , 112, 325-328   | 0.7  | 10  |
| 33 | Influence of sea surface winds on shearwater migration detours. <i>Marine Ecology - Progress Series</i> , <b>2009</b> , 391, 221-230   | 2.6  | 62  |
| 32 | <i>Zygodon</i> (Orthotrichaceae) in the Iberian Peninsula. <i>Bryologist</i> , <b>2008</b> , 111, 231-247  | 0.7  | 5   |
| 31 | Phylogeny and classification of the Grimmiaceae/Ptychomitriaceae complex (Bryophyta) inferred from cpDNA. <i>Molecular Phylogenetics and Evolution</i> , <b>2008</b> , 46, 863-77  | 4.1  | 40  |
| 30 | Ocean surface winds drive dynamics of transoceanic aerial movements. <i>PLoS ONE</i> , <b>2008</b> , 3, e2928  | 3.7  | 93  |
| 29 | An annotated checklist of the mosses of Europe and Macaronesia. <i>Journal of Bryology</i> , <b>2006</b> , 28, 198-267   | 1.1  | 431 |
| 28 | The rediscovery of <i>Tortella limbata</i> (Pottiaceae). <i>Bryologist</i> , <b>2006</b> , 109, 401-403  | 0.7  | 2   |
| 27 | Typification of <i>Grimmia pilifera</i> (Grimmiaceae). <i>Bryologist</i> , <b>2006</b> , 109, 560-561  | 0.7  | 2   |
| 26 | <i>Zygodon bistratus</i> sp. nov. (Orthotrichaceae) from the Iberian Peninsula. <i>Bryologist</i> , <b>2006</b> , 109, 38-42   | 0.7  | 3   |
| 25 | Comparison of statistical methods commonly used in predictive modelling. <i>Journal of Vegetation Science</i> , <b>2004</b> , 15, 285-292  | 3.1  | 158 |
| 24 | Wind as a long-distance dispersal vehicle in the Southern Hemisphere. <i>Science</i> , <b>2004</b> , 304, 1144-7   | 33.3 | 398 |
| 23 | The genus <i>Grimmia</i> (Grimmiaceae, Musci) in Russia. <i>Arctoa</i> , <b>2004</b> , 13, 101-182   | 0.4  | 38  |
| 22 | Comparison of statistical methods commonly used in predictive modelling <b>2004</b> , 15, 285  |      | 11  |
| 21 | Flora and water chemistry in a relictic mire complex: the Sierra Segundera mire area (Zamora, NW Spain). <i>Hydrobiologia</i> , <b>2003</b> , 495, 1-16  | 2.4  | 9   |

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|----|---|-----|----|
| 20 | A new species of <i>Grimmia</i> (Grimmiaceae, Musci) from north-east Asia and Alaska. <i>Arctoa</i> , <b>2003</b> , 12, 1-8   | 0.4 | 7  |
| 19 | <i>Vittia salina</i> L.Hedenf. & J.Muñoz, sp. nov., a new moss from Argentina. <i>Journal of Bryology</i> , <b>2002</b> , 24, 163-165   | 1.1 | 4  |
| 18 | Contribution to the bryoflora of Bolivia. I. Lowland mosses from two protected areas in the Department of Santa Cruz. <i>Journal of Bryology</i> , <b>2002</b> , 24, 165-167                          | 1.1 | 3  |
| 17 | <i>Grimmia exquisita</i> (Musci, Grimmiaceae), a new species from central Asia. <i>Journal of Bryology</i> , <b>2002</b> , 24, 315-318  | 1.1 | 3  |
| 16 | <i>Grimmia serrana</i> (Bryopsida, Grimmiaceae), a new species from California, U.S.A.. <i>Journal of Bryology</i> , <b>2002</b> , 24, 143-146  | 1.1 | 2  |
| 15 | On the identity of <i>Grimmia depressa</i> and <i>G. depressa</i> var. <i>terrestris</i> . <i>Journal of Bryology</i> , <b>2000</b> , 22, 62-63   | 1.1 | 2  |
| 14 | New synonyms in <i>Grimmia</i> (Grimmiaceae). <i>Journal of Bryology</i> , <b>2000</b> , 22, 99-102   | 1.1 | 7  |
| 13 | Further nomenclatural changes and corrections in <i>Schistidium</i> . <i>Journal of Bryology</i> , <b>2000</b> , 22, 141-142  | 1.1 | 5  |
| 12 | Contribution to the bryophyte flora of Morocco: the Jbel Toubkal. <i>Journal of Bryology</i> , <b>2000</b> , 22, 283-289  | 1.1 | 19 |
| 11 | (1450) Proposal to conserve the name <i>Grimmia poecilostoma</i> Cardot & Sebille (Musci, Grimmiaceae). <i>Taxon</i> , <b>2000</b> , 49, 287-288  | 0.8 | 4  |
| 10 | (1451) Proposal to conserve the name <i>Grimmia crinita</i> (Musci, Grimmiaceae) against <i>Dicranum phascoideum</i> . <i>Taxon</i> , <b>2000</b> , 49, 289-290                                       | 0.8 | 4  |
| 9  | <i>Grimmia australis</i> , new combination. <i>Journal of Bryology</i> , <b>1999</b> , 21, 319-319  | 1.1 | 2  |
| 8  | A Revision of <i>Grimmia</i> (Musci, Grimmiaceae) in the Americas. 1: Latin America. <i>Annals of the Missouri Botanical Garden</i> , <b>1999</b> , 86, 118   | 1.8 | 46 |
| 7  | <i>Grimmia arcuatifolia</i> and <i>G. leibergii</i> (Musci, Grimmiaceae), two neglected species from Northwestern North America. <i>Anales Del Jardin Botanico De Madrid</i> , <b>1999</b> , 57,      | 0.3 | 3  |
| 6  | Materials Toward a Revision of <i>Grimmia</i> (Musci: Grimmiaceae): Nomenclature and Taxonomy of <i>Grimmia longirostris</i> . <i>Annals of the Missouri Botanical Garden</i> , <b>1998</b> , 85, 352 | 1.8 | 16 |
| 5  | A Taxonomic Revision of <i>Grimmia</i> Subgenus <i>Orthogrimmia</i> (Musci, Grimmiaceae). <i>Annals of the Missouri Botanical Garden</i> , <b>1998</b> , 85, 367                                      | 1.8 | 23 |
| 4  | The Correct Name of <i>Grimmia alpestris</i> (Musci, Grimmiaceae). <i>Bryologist</i> , <b>1997</b> , 100, 517   | 0.7 | 4  |
| 3  | <i>Racomitrium hespericum</i> , a New Species from the Iberian Peninsula. <i>Bryologist</i> , <b>1995</b> , 98, 112   | 0.7 | 13 |

- 2 Sphagnum majus subsp. norvegicum and Sphagnum subtile, New to the Iberian Peninsula. *Bryologist*, **1995**, 98, 38 0.7 2
- 1 Triquetrella arapilensis y Especies Afines: Su Morfología y Distribución Geográfica. *Bryologist*, **1993**, 96, 122 0.7 1