

# Jesus Muoz

## List of Publications by Citations

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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	An annotated checklist of the mosses of Europe and Macaronesia. <i>Journal of Bryology</i> , <b>2006</b> , 28, 198-267	1.1	431
90	Wind as a long-distance dispersal vehicle in the Southern Hemisphere. <i>Science</i> , <b>2004</b> , 304, 1144-7	33.3	398
89	Comparison of statistical methods commonly used in predictive modelling. <i>Journal of Vegetation Science</i> , <b>2004</b> , 15, 285-292	3.1	158
88	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
87	Ocean surface winds drive dynamics of transoceanic aerial movements. <i>PLoS ONE</i> , <b>2008</b> , 3, e2928	3.7	93
86	Influence of sea surface winds on shearwater migration detours. <i>Marine Ecology - Progress Series</i> , <b>2009</b> , 391, 221-230	2.6	62
85	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
84	Modelos de distribución de especies: Una revisión sintética. <i>Revista Chilena De Historia Natural</i> , <b>2011</b> , 84, 217-240	1.8	60
83	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
82	Do stacked species distribution models reflect altitudinal diversity patterns?. <i>PLoS ONE</i> , <b>2012</b> , 7, e32586	3.7	60
81	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
80	The mossy north: an inverse latitudinal diversity gradient in European bryophytes. <i>Scientific Reports</i> , <b>2016</b> , 6, 25546	4.9	54
79	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
78	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
77	Phylogeny of haplolepideous mosses: challenges and perspectives. <i>Journal of Bryology</i> , <b>2012</b> , 34, 173-186	1.1	42
76	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
75	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

74	The genus <i>Grimmia</i> (Grimmiaceae, Musci) in Russia. <i>Arctoa</i> , <b>2004</b> , 13, 101-182	0.4	38
73	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
72	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
71	What is the potential of spread in invasive bryophytes?. <i>Ecography</i> , <b>2015</b> , 38, 480-487	6.5	33
70	Climate threat on the Macaronesian endemic bryophyte flora. <i>Scientific Reports</i> , <b>2016</b> , 6, 29156	4.9	30
69	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
68	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
67	Climate-induced range shifts and possible hybridisation consequences in insects. <i>PLoS ONE</i> , <b>2013</b> , 8, e80531	5.7	27
66	Rainbow trout ( <i>Oncorhynchus mykiss</i> ) threaten Andean amphibians. <i>Neotropical Biodiversity</i> , <b>2016</b> , 2, 26-36	0.7	24
65	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
64	Contribution to the bryophyte flora of Morocco: the Jbel Toubkal. <i>Journal of Bryology</i> , <b>2000</b> , 22, 283-289	1.1	19
63	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
62	Lumping or splitting? The case of <i>Racomitrium</i> (Bryophytina: Grimmiaceae). <i>Taxon</i> , <b>2013</b> , 62, 1117-1132	0.8	17
61	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
60	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
59	Use of ring recoveries to predict habitat suitability in small passerines. <i>Diversity and Distributions</i> , <b>2012</b> , 18, 1130-1138	5	14
58	<i>Racomitrium hespericum</i> , a New Species from the Iberian Peninsula. <i>Bryologist</i> , <b>1995</b> , 98, 112	0.7	13
57	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

56	How to describe species richness patterns for bryophyte conservation?. <i>Ecology and Evolution</i> , <b>2015</b> , 5, 5443-55	2.8	11
55	Do Marmorkrebs, <i>Procambarus fallax f. virginalis</i> , threaten freshwater Japanese ecosystems?. <i>Aquatic Biosystems</i> , <b>2012</b> , 8, 13		11
54	<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
53	Comparison of statistical methods commonly used in predictive modelling <b>2004</b> , 15, 285		11
52	<i>Grimmia horrida</i> (Grimmiaceae), a new species from the Iberian Peninsula. <i>Bryologist</i> , <b>2009</b> , 112, 325-328	0.7	10
51	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
50	Molecular and ecological signatures of an expanding hybrid zone. <i>Ecology and Evolution</i> , <b>2018</b> , 8, 4793-4806	0.6	9
49	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
48	New national and regional bryophyte records, 54. <i>Journal of Bryology</i> , <b>2018</b> , 40, 74-97	1.1	8
47	New national and regional bryophyte records, 56. <i>Journal of Bryology</i> , <b>2018</b> , 40, 271-296	1.1	8
46	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
45	<i>Bucklandiella araucana</i> (Grimmiaceae), a new species from Chile. <i>Bryologist</i> , <b>2011</b> , 114, 732-743	0.7	8
44	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
43	New synonyms in <i>Grimmia</i> (Grimmiaceae). <i>Journal of Bryology</i> , <b>2000</b> , 22, 99-102	1.1	7
42	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
41	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
40	Protected area networks do not represent unseen biodiversity. <i>Scientific Reports</i> , <b>2021</b> , 11, 12275	4.9	7
39	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

38	Ecological Restoration for Future Conservation Professionals: Training with Conceptual Models and Practical Exercises. <i>Ecological Restoration</i> , <b>2010</b> , 28, 175-181		6
37	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
36	<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
35	<i>Zygodon</i> (Orthotrichaceae) in the Iberian Peninsula. <i>Bryologist</i> , <b>2008</b> , 111, 231-247	0.7	5
34	Further nomenclatural changes and corrections in <i>Schistidium</i> . <i>Journal of Bryology</i> , <b>2000</b> , 22, 141-142	1.1	5
33	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
32	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
31	<i>Vittia salina</i> L.Hedenř & J.Muřz, sp. nov., a new moss from Argentina. <i>Journal of Bryology</i> , <b>2002</b> , 24, 163-165	1.1	4
30	(1450) Proposal to conserve the name <i>Grimmia poecilostoma</i> Cardot & Sebillе (Musci, Grimmiaceae). <i>Taxon</i> , <b>2000</b> , 49, 287-288	0.8	4
29	(1451) Proposal to conserve the name <i>Grimmia crinita</i> (Musci, Grimmiaceae) against <i>Dicranum phascodeum</i> . <i>Taxon</i> , <b>2000</b> , 49, 289-290	0.8	4
28	The Correct Name of <i>Grimmia alpestris</i> (Musci, Grimmiaceae). <i>Bryologist</i> , <b>1997</b> , 100, 517	0.7	4
27	<i>Zygodon bistratus</i> sp. nov. (Orthotrichaceae) from the Iberian Peninsula. <i>Bryologist</i> , <b>2006</b> , 109, 38-42	0.7	3
26	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
25	<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
24	PREDICTION OF THERMAL COMFORT AND ENERGY BEHAVIOUR THROUGH NATURAL-BASED SOLUTIONS IMPLEMENTATION: A CASE STUDY IN BADAJOZ, SPAIN <b>2020</b> ,		3
23	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
22	<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
21	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

20	Forest Diversity and Structure in the Amazonian Mountain Ranges of Southeastern Ecuador. <i>Diversity</i> , <b>2019</b> , 11, 196	2.5	2
19	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
18	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
17	The rediscovery of <i>Tortella limbata</i> (Pottiaceae). <i>Bryologist</i> , <b>2006</b> , 109, 401-403	0.7	2
16	Typification of <i>Grimmia pilifera</i> (Grimmiaceae). <i>Bryologist</i> , <b>2006</b> , 109, 560-561	0.7	2
15	<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
14	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
13	<i>Grimmia australis</i> , new combination. <i>Journal of Bryology</i> , <b>1999</b> , 21, 319-319	1.1	2
12	<i>Sphagnum majus</i> subsp. <i>norvegicum</i> and <i>Sphagnum subtile</i> , New to the Iberian Peninsula. <i>Bryologist</i> , <b>1995</b> , 98, 38	0.7	2
11	Climatic Niche Shift during Invasion and Its Potential Distribution under Future Scenarios. <i>Plants</i> , <b>2019</b> , 8,	4.5	2
10	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
9	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
8	<i>Triquetrella arapilensis</i> y Especies Afines: Su Morfología y Distribución Geográfica. <i>Bryologist</i> , <b>1993</b> , 96, 122	0.7	1
7	Urban Vegetation Leveraging Actions. <i>Sustainability</i> , <b>2021</b> , 13, 4843	3.6	1
6	<i>Andreaea barbarae</i> (Andreaeaceae, Bryophytina), a new moss species from Lesotho. <i>Phytotaxa</i> , <b>2018</b> , 336, 148	0.7	1
5	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
4	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
3	New national and regional bryophyte records, 69. <i>Journal of Bryology</i> , <b>2022</b> , 44, 87-102	1.1	0

- 2 Predicting hybridisation as a consequence of climate change in damselflies. *Insect Conservation and Diversity*, **2019**, 12, 427-436 3.8
- 1 Novedades para la brioflora de la Sierra de Gredos (Sistema Central, España), con especial énfasis en la comunidad de Extremadura.. *Acta Botanica Malacitana*, **2018**, 42, 193-200