

Javier Martínez-Abaigar

List of Publications by Year in descending order

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69
papers

1,701
citations

279487

23
h-index

315357

38
g-index

70
all docs

70
docs citations

70
times ranked

1893
citing authors

#	ARTICLE	IF	CITATIONS
1	Current and historical factors drive variation of reproductive traits in unisexual mosses in Europe: A case study. <i>Journal of Systematics and Evolution</i> , 2023, 61, 213-226.	1.6	3
2	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2021. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 275-301.	1.6	40
3	Bryophyte ultraviolet-omics: from genes to the environment. <i>Journal of Experimental Botany</i> , 2022, 73, 4412-4426.	2.4	5
4	Unveiling the nature of a miniature world: a horizon scan of fundamental questions in bryology. <i>Journal of Bryology</i> , 2022, 44, 1-34.	0.4	12
5	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2020. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 1-67.	1.6	93
6	Novel biotechnological substances from bryophytes. , 2021, , 233-248.		5
7	Developmental Stage Determines the Accumulation Pattern of UV-Absorbing Compounds in the Model Liverwort <i>Marchantia polymorpha</i> subsp. <i>ruderalis</i> under Controlled Conditions. <i>Plants</i> , 2021, 10, 473.	1.6	4
8	Secondary metabolites and related genes in <i>Vitis vinifera</i> L. cv. Tempranillo grapes as influenced by ultraviolet radiation and berry development. <i>Physiologia Plantarum</i> , 2021, 173, 709-724.	2.6	20
9	To What Extent Are the Effects of UV Radiation on Grapes Conserved in the Resulting Wines?. <i>Plants</i> , 2021, 10, 1678.	1.6	4
10	Testing a novel biotechnological passive sampler for monitoring atmospheric PAH pollution. <i>Journal of Hazardous Materials</i> , 2020, 381, 120949.	6.5	17
11	Phenolic characteristics acquired by berry skins of <i>Vitis vinifera</i> cv. Tempranillo in response to close ambient solar ultraviolet radiation are mostly reflected in the resulting wines. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 401-409.	1.7	22
12	A supplement of ultraviolet-B radiation under field conditions increases phenolic and volatile compounds of Tempranillo grape skins and the resulting wines. <i>European Journal of Agronomy</i> , 2020, 121, 126150.	1.9	14
13	Phenolic compounds from different bryophyte species and cell compartments respond specifically to ultraviolet radiation, but not particularly quickly. <i>Plant Physiology and Biochemistry</i> , 2019, 134, 137-144.	2.8	21
14	Acclimation of Bryophytes to Sun Conditions, in Comparison to Shade Conditions, Is Influenced by Both Photosynthetic and Ultraviolet Radiations. <i>Frontiers in Plant Science</i> , 2019, 10, 998.	1.7	9
15	Photosynthetically-active radiation, UV-A and UV-B, causes both common and specific damage and photoprotective responses in the model liverwort <i>Marchantia polymorpha</i> subsp. <i>ruderalis</i> . <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 400-412.	1.6	10
16	A perspective on ecologically relevant plant-UV research and its practical application. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 970-988.	1.6	69
17	A field portable method for the semi-quantitative estimation of dehydration tolerance of photosynthetic tissues across distantly related land plants. <i>Physiologia Plantarum</i> , 2019, 167, 540-555.	2.6	18
18	Cell compartmentation of ultraviolet-absorbing compounds: An underexplored tool related to bryophyte ecology, phylogeny and evolution. <i>Functional Ecology</i> , 2018, 32, 882-893.	1.7	14

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19	Evolutionary conservation of structure and function of the <scp>UVR</scp>8 photoreceptor from the liverwort <i>Marchantia polymorpha</i> and the moss <i>Physcomitrella patens</i>. <i>New Phytologist</i> , 2018, 217, 151-162.	3.5	51
20	Can Parietin Transfer Energy Radiatively to Photosynthetic Pigments?. <i>Molecules</i> , 2018, 23, 1741.	1.7	5
21	Spores potentially dispersed to longer distances are more tolerant to ultraviolet radiation: A case study in the moss genus <i>Orthotrichum</i>. <i>American Journal of Botany</i> , 2018, 105, 996-1008.	0.8	4
22	Ecophysiology of photosynthetic pigments in aquatic bryophytes. , 2018, , 277-292.		4
23	First Data on the Effects of Ultraviolet Radiation on Phenolic Compounds in the Model Hornwort <i>Anthoceros agrestis</i> . <i>Cryptogamie, Bryologie</i> , 2018, 39, 201-211.	0.1	11
24	Effects of Climate Change on Aquatic Bryophytes. , 2018, , 268-287.		0
25	Modelling and mapping heavy metal and nitrogen concentrations in moss in 2010 throughout Europe by applying Random Forests models. <i>Atmospheric Environment</i> , 2017, 156, 146-159.	1.9	22
26	Environmental plasticity of Pinot noir grapevine leaves: A transâ€¦European study of morphological and biochemical changes along a 1,500â€¦m latitudinal climatic gradient. <i>Plant, Cell and Environment</i> , 2017, 40, 2790-2805.	2.8	34
27	Effects of ambient solar UV radiation on grapevine leaf physiology and berry phenolic composition along one entire season under Mediterranean field conditions. <i>Plant Physiology and Biochemistry</i> , 2016, 109, 374-386.	2.8	28
28	Environmental Factors Correlated with the Metabolite Profile of <i>Vitis vinifera</i> cv. Pinot Noir Berry Skins along a European Latitudinal Gradient. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 8722-8734.	2.4	52
29	Trace element concentrations in the moss <i>Hypnum cupressiforme</i> growing in a presumably unpolluted area. <i>Chemosphere</i> , 2016, 158, 177-183.	4.2	7
30	Spatially valid data of atmospheric deposition of heavy metals and nitrogen derived by moss surveys for pollution risk assessments of ecosystems. <i>Environmental Science and Pollution Research</i> , 2016, 23, 10457-10476.	2.7	35
31	Heavy metal and nitrogen concentrations in mosses are declining across Europe whilst some â€¦hotspotsâ€¦remain in 2010. <i>Environmental Pollution</i> , 2015, 200, 93-104.	3.7	136
32	Spatial variability of ultraviolet-absorbing compounds in an aquatic liverwort and their usefulness as biomarkers of current and past UV radiation: A case study in the Atlanticâ€¦Mediterranean transition. <i>Science of the Total Environment</i> , 2015, 518-519, 248-257.	3.9	10
33	Ultraviolet-absorbing compounds from the cell walls of an aquatic liverwort are more efficiently extracted by alkaline than by enzymatic digestion. <i>Journal of Bryology</i> , 2015, 37, 8-14.	0.4	5
34	UV radiation biomonitoring using cell compartmentation of UV-absorbing compounds in herbarium samples of a liverwort. <i>Ecological Indicators</i> , 2015, 52, 48-56.	2.6	4
35	Effects of <scp>UV</scp> exclusion on the physiology and phenolic composition of leaves and berries of <i>Vitis vinifera</i> cv. Graciano. <i>Journal of the Science of Food and Agriculture</i> , 2015, 95, 409-416.	1.7	26
36	Solar ultraviolet radiation is necessary to enhance grapevine fruit ripening transcriptional and phenolic responses. <i>BMC Plant Biology</i> , 2014, 14, 183.	1.6	132

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37	UV-Induced Secondary Plant Metabolites. <i>Optik & Photonik</i> , 2014, 9, 34-37.	0.3	84
38	Among- and within-genus variability of the UV-absorption capacity in saxicolous mosses. <i>Bryologist</i> , 2014, 117, 1-9.	0.1	8
39	Cell Compartmentation of UV-Absorbing Compounds in Two Aquatic Mosses Under Enhanced UV-B. <i>Cryptogamie, Bryologie</i> , 2012, 33, 169-184.	0.1	14
40	Dynamic response of UV-absorbing compounds, quantum yield and the xanthophyll cycle to diel changes in UV-B and photosynthetic radiations in an aquatic liverwort. <i>Journal of Plant Physiology</i> , 2012, 169, 20-26.	1.6	30
41	UV responses of <i>Lolium perenne</i> raised along a latitudinal gradient across Europe: a filtration study. <i>Physiologia Plantarum</i> , 2012, 145, 604-618.	2.6	17
42	Aquatic Bryophytes under Ultraviolet Radiation. , 2011, , 115-146.		10
43	Impacts of long-term enhanced UV-B radiation on bryophytes in two sub-Arctic heathland sites of contrasting water availability. <i>Annals of Botany</i> , 2011, 108, 557-565.	1.4	34
44	Effects of enhanced UV-B radiation on hydroxycinnamic acid derivatives extracted from different cell compartments in the aquatic liverwort <i>Jungermannia exsertifolia</i> subsp. <i>cordifolia</i> . <i>Physiologia Plantarum</i> , 2010, 140, no-no.	2.6	23
45	Cyclic environmental factors only partially explain the seasonal variability of photoprotection and physiology in two mosses from an unforested headwater stream. <i>Bryologist</i> , 2010, 113, 277-291.	0.1	14
46	Seasonal variations in UV-absorbing compounds and physiological characteristics in the aquatic liverwort <i>Jungermannia exsertifolia</i> subsp. <i>cordifolia</i> over a 3-year period. <i>Physiologia Plantarum</i> , 2009, 136, 73-85.	2.6	21
47	Retrospective bioindication of stratospheric ozone and ultraviolet radiation using hydroxycinnamic acid derivatives of herbarium samples of an aquatic liverwort. <i>Environmental Pollution</i> , 2009, 157, 2335-2344.	3.7	16
48	Hydroxycinnamic acid derivatives in an aquatic liverwort as possible bioindicators of enhanced UV radiation. <i>Environmental Pollution</i> , 2008, 151, 8-16.	3.7	28
49	Ultraviolet-absorbing capacity of aquatic bryophytes from Tierra del Fuego (Argentina). <i>Journal of Bryology</i> , 2008, 30, 290-296.	0.4	12
50	High-Level Phosphate Addition Does Not Modify UV Effects in Two Aquatic Bryophytes. <i>Bryologist</i> , 2008, 111, 444-454.	0.1	5
51	Physiological changes and UV protection in the aquatic liverwort <i>Jungermannia exsertifolia</i> subsp. <i>cordifolia</i> along an altitudinal gradient of UV-B radiation. <i>Functional Plant Biology</i> , 2006, 33, 1025.	1.1	31
52	Effects of cadmium and enhanced UV radiation on the physiology and the concentration of UV-absorbing compounds of the aquatic liverwort <i>Jungermannia exsertifolia</i> subsp. <i>cordifolia</i> . <i>Photochemical and Photobiological Sciences</i> , 2006, 5, 760-769.	1.6	33
53	Ultraviolet Radiation-Induced Changes in Mycosporine-Like Amino Acids and Physiological Variables in the Red Alga <i>Lemanea fluviatilis</i> . <i>Journal of Freshwater Ecology</i> , 2005, 20, 677-687.	0.5	8
54	Interactions between parasitic fungi and mosses: pegged and swollen-tipped rhizoids in <i>Funaria</i> and <i>Bryum</i> . <i>Journal of Bryology</i> , 2005, 27, 47-53.	0.4	24

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55	Assessing the UV-B Tolerance of Sun and Shade Samples of Two Aquatic Bryophytes Using Short-term Tests. <i>Bryologist</i> , 2005, 108, 435-448.	0.1	17
56	Influence of Temperature on the Effects of Artificially Enhanced UV-B Radiation on Aquatic Bryophytes Under Laboratory Conditions. <i>Photosynthetica</i> , 2004, 42, 201-212.	0.9	30
57	A Survey of the Distribution of UV-Absorbing Compounds in Aquatic Bryophytes from a Mountain Stream. <i>Bryologist</i> , 2004, 107, 202-208.	0.1	19
58	El modelo mixto (presencial-virtual) en la enseñanza de la Biología para Ingenieros Técnicos Agrícolas. Un avance sobre las impresiones de los alumnos. <i>Contextos Educativos: Revista De Educación</i> , 2004, .	0.1	0
59	Different physiological responses of two aquatic bryophytes to enhanced ultraviolet-B radiation. <i>Journal of Bryology</i> , 2003, 25, 17-30.	0.4	44
60	Combined seasonal and longitudinal variations of element concentrations in two aquatic mosses (<i>Fontinalis antipyretica</i> and <i>F. squamosa</i>). <i>Nova Hedwigia</i> , 2002, 74, 349-364.	0.2	15
61	Short-Term Physiological Responses of the Aquatic Liverwort <i>Jungermannia exsertifolia</i> subsp. <i>cordifolia</i> to KH_2PO_4 and Anoxia. <i>Bryologist</i> , 2002, 105, 86-95.	0.1	9
62	Biomonitoring of metal deposition in northern Spain by moss analysis. <i>Science of the Total Environment</i> , 2002, 300, 115-127.	3.9	67
63	The legend and procession of the Moss Men from Béjar (Salamanca, Spain). <i>Journal of Bryology</i> , 2001, 23, 264-266.	0.4	6
64	Element Concentrations and Enrichment Ratios in the Aquatic Moss <i>Rhynchostegium riparioides</i> along the River Iregua (La Rioja, Northern Spain). <i>Bryologist</i> , 2000, 103, 518-533.	0.1	20
65	<i>Barbilophozia atlantica</i> (Kaal.) K M ¹ / ₄ ll. in the Iberian Peninsula. <i>Journal of Bryology</i> , 1998, 20, 510-513.	0.4	2
66	Adaptability of Leaves of <i>Cistus ladanifer</i> to Widely Varying Environmental Conditions. <i>Functional Ecology</i> , 1996, 10, 636.	1.7	48
67	A comparative study of <i>Cistus ladanifer</i> shrublands in Extremadura (CW Spain) on the basis of woody species composition and cover. <i>Plant Ecology</i> , 1995, 117, 123-132.	1.2	18
68	Seasonal changes in photosynthetic pigment composition of aquatic bryophytes. <i>Journal of Bryology</i> , 1994, 18, 97-113.	0.4	24
69	Effects of organic pollution on transplanted aquatic bryophytes. <i>Journal of Bryology</i> , 1993, 17, 553-566.	0.4	23