

Javier Martnez-Abaigar

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.

65
papers

1,200
citations

21
h-index

31
g-index

70
ext. papers

1,483
ext. citations

4
avg, IF

4.15
L-index

#	Paper	IF	Citations
65	Heavy metal and nitrogen concentrations in mosses are declining across Europe whilst some "hotspots" remain in 2010. <i>Environmental Pollution</i> , 2015 , 200, 93-104	9.3	110
64	Solar ultraviolet radiation is necessary to enhance grapevine fruit ripening transcriptional and phenolic responses. <i>BMC Plant Biology</i> , 2014 , 14, 183	5.3	95
63	UV-B Induced Secondary Plant Metabolites. <i>Optik & Photonik</i> , 2014 , 9, 34-37		70
62	Biomonitoring of metal deposition in northern Spain by moss analysis. <i>Science of the Total Environment</i> , 2002 , 300, 115-27	10.2	60
61	A perspective on ecologically relevant plant-UV research and its practical application. <i>Photochemical and Photobiological Sciences</i> , 2019 , 18, 970-988	4.2	42
60	Different physiological responses of two aquatic bryophytes to enhanced ultraviolet-B radiation. <i>Journal of Bryology</i> , 2003 , 25, 17-30	1.1	40
59	Adaptability of Leaves of <i>Cistus ladanifer</i> to Widely Varying Environmental Conditions. <i>Functional Ecology</i> , 1996 , 10, 636	5.6	40
58	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	4.2	34
57	Evolutionary conservation of structure and function of the UVR8 photoreceptor from the liverwort <i>Marchantia polymorpha</i> and the moss <i>Physcomitrella patens</i> . <i>New Phytologist</i> , 2018 , 217, 151-162	9.8	33
56	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, 1025-1036	2.7	30
55	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, 760-9	4.2	28
54	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, 20-6	3.6	26
53	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	2.2	26
52	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	5.7	25
51	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, 557-65	4.1	25
50	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	5.1	24
49	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	1.1	24

48	Seasonal changes in photosynthetic pigment composition of aquatic bryophytes. <i>Journal of Bryology</i> , 1994 , 18, 97-113	1.1	23
47	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, 269-79	4.6	22
46	Effects of organic pollution on transplanted aquatic bryophytes. <i>Journal of Bryology</i> , 1993 , 17, 553-566	1.1	22
45	Hydroxycinnamic acid derivatives in an aquatic liverwort as possible bioindicators of enhanced UV radiation. <i>Environmental Pollution</i> , 2008 , 151, 8-16	9.3	21
44	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	4.6	19
43	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	5.3	18
42	Effects of UV 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, 409-16	4.3	18
41	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	5.4	18
40	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	0.7	17
39	A Survey of the Distribution of UV-Absorbing Compounds in Aquatic Bryophytes from a Mountain Stream. <i>Bryologist</i> , 2004 , 107, 202-208	0.7	16
38	Environmental plasticity of Pinot noir grapevine leaves: A trans-European study of morphological and biochemical changes along a 1,500-km latitudinal climatic gradient. <i>Plant, Cell and Environment</i> , 2017 , 40, 2790-2805	8.4	15
37	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	0.7	15
36	UV responses of <i>Lolium perenne</i> raised along a latitudinal gradient across Europe: a filtration study. <i>Physiologia Plantarum</i> , 2012 , 145, 604-18	4.6	14
35	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, 2335-44	9.3	14
34	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	0.7	13
33	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	1.3	13
32	Phenolic characteristics acquired by berry skins of <i>Vitis vinifera</i> cv. Tempranillo in response to close-to-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	4.3	13
31	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		12

30	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	5.4	11
29	Cell Compartmentation of UV-Absorbing Compounds in Two Aquatic Mosses Under Enhanced UV-B. <i>Cryptogamie, Bryologie</i> , 2012 , 33, 169-184	0.8	11
28	Ultraviolet-absorbing capacity of aquatic bryophytes from Tierra del Fuego (Argentina). <i>Journal of Bryology</i> , 2008 , 30, 290-296	1.1	11
27	Cell compartmentation of ultraviolet-absorbing compounds: An underexplored tool related to bryophyte ecology, phylogeny and evolution. <i>Functional Ecology</i> , 2018 , 32, 882-893	5.6	10
26	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	4.6	10
25	Testing a novel biotechnological passive sampler for monitoring atmospheric PAH pollution. <i>Journal of Hazardous Materials</i> , 2020 , 381, 120949	12.8	10
24	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	5	9
23	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	6.2	7
22	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	1.4	7
21	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	0.8	7
20	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 Atlantic-Mediterranean transition. <i>Science of the Total Environment</i> , 2015 , 518-519, 248-57	10.2	6
19	Trace element concentrations in the moss <i>Hypnum cupressiforme</i> growing in a presumably unpolluted area. <i>Chemosphere</i> , 2016 , 158, 177-83	8.4	6
18	Among- and within-genus variability of the UV-absorption capacity in saxicolous mosses. <i>Bryologist</i> , 2014 , 117, 1-9	0.7	6
17	Aquatic Bryophytes under Ultraviolet Radiation	115-146	6
16	Short-Term Physiological Responses of the Aquatic Liverwort <i>Jungermannia exsertifolia</i> subsp. <i>cordifolia</i> to KH ₂ PO ₄ and Anoxia. <i>Bryologist</i> , 2002 , 105, 86-95	0.7	6
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	4.2	5
14	The legend and procession of the Moss Men from Bjar (Salamanca, Spain). <i>Journal of Bryology</i> , 2001 , 23, 264-266	1.1	5
13	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	1.1	4

12	High-Level Phosphate Addition Does Not Modify UV Effects in Two Aquatic Bryophytes. <i>Bryologist</i> , 2008 , 111, 444-454	0.7	4
11	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	4.2	4
10	Ecophysiology of photosynthetic pigments in aquatic bryophytes 2018 , 277-292		3
9	Developmental Stage Determines the Accumulation Pattern of UV-Absorbing Compounds in the Model Liverwort subsp. under Controlled Conditions. <i>Plants</i> , 2021 , 10,	4.5	3
8	UV radiation biomonitoring using cell compartmentation of UV-absorbing compounds in herbarium samples of a liverwort. <i>Ecological Indicators</i> , 2015 , 52, 48-56	5.8	2
7	Can Parietin Transfer Energy Radiatively to Photosynthetic Pigments?. <i>Molecules</i> , 2018 , 23,	4.8	2
6	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	2.7	2
5	<i>Barbilophozia atlantica</i> (Kaal.) K M. in the Iberian Peninsula. <i>Journal of Bryology</i> , 1998 , 20, 510-513	1.1	2
4	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	4.6	2
3	Unveiling the nature of a miniature world: a horizon scan of fundamental questions in bryology. <i>Journal of Bryology</i> , 1-34	1.1	2
2	Novel biotechnological substances from bryophytes 2021 , 233-248		1
1	Effects of Climate Change on Aquatic Bryophytes 2018 , 268-287		