

# Antonio Hernandez

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,819  
citations

257357

24  
h-index

302012

39  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2170  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy metal tolerance strategies in metalicolous and non-metalicolous populations of mosses: Insights of I <sup>3+</sup> I <sup>2+</sup> -tocopherol regulatory role. <i>Environmental and Experimental Botany</i> , 2022, 194, 104738.	2.0	10
2	Mycorrhizal-Assisted Phytoremediation and Intercropping Strategies Improved the Health of Contaminated Soil in a Peri-Urban Area. <i>Frontiers in Plant Science</i> , 2021, 12, 693044.	1.7	15
3	In situ phytomanagement with <i>Brassica napus</i> and bio-stabilised municipal solid wastes is a suitable strategy for redevelopment of vacant urban land. <i>Urban Forestry and Urban Greening</i> , 2020, 47, 126550.	2.3	16
4	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
5	On the recalcitrant use of Arnon's method for chlorophyll determination. <i>New Phytologist</i> , 2018, 217, 474-476.	3.5	15
6	How Valuable Are Organic Amendments as Tools for the Phytomanagement of Degraded Soils? The Knowns, Known Unknowns, and Unknowns. <i>Frontiers in Sustainable Food Systems</i> , 2018, 2, .	1.8	58
7	Plant Photosynthetic Pigments: Methods and Tricks for Correct Quantification and Identification. , 2018, , 29-50.		8
8	Photoprotective Mechanisms in the Genus <i>Quercus</i> in Response to Winter Cold and Summer Drought. <i>Tree Physiology</i> , 2017, , 361-391.	0.9	6
9	Photoprotective Strategies of Mediterranean Plants in Relation to Morphological Traits and Natural Environmental Pressure: A Meta-Analytical Approach. <i>Frontiers in Plant Science</i> , 2017, 8, 1051.	1.7	42
10	ROLE PLAYING GAMES IS A USEFUL TOOL TO LEARN AND TEACH CURRENT LEGAL REGULATION AND BIOSAFETY OF BIOTECHNOLOGY TO UNDERGRADUATE STUDENTS. , 2017, , .		0
11	Internal and external factors affecting photosynthetic pigment composition in plants: a meta-analytical approach. <i>New Phytologist</i> , 2015, 206, 268-280.	3.5	202
12	Opening Pandora's box: cause and impact of errors on plant pigment studies. <i>Frontiers in Plant Science</i> , 2015, 6, 148.	1.7	12
13	Autofluorescence: Biological functions and technical applications. <i>Plant Science</i> , 2015, 236, 136-145.	1.7	106
14	Does age matter under winter photoinhibitory conditions? A case study in stems and leaves of European mistletoe ( <i>Viscum album</i> ). <i>Functional Plant Biology</i> , 2015, 42, 175.	1.1	6
15	Chemical Stabilization of Metal-Contaminated Mine Soil: Early Short-Term Soil-Amendment Interactions and Their Effects on Biological and Chemical Parameters. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	22
16	Field assessment of the effectiveness of organic amendments for aided phytostabilization of a Pb-Zn contaminated mine soil. <i>Journal of Geochemical Exploration</i> , 2014, 145, 181-189.	1.5	77
17	Agro-industrial wastes as effective amendments for ecotoxicity reduction and soil health improvement in aided phytostabilization. <i>Environmental Science and Pollution Research</i> , 2014, 21, 10036-10044.	2.7	14
18	Salt crystal deposition as a reversible mechanism to enhance photoprotection in black mangrove. <i>Trees - Structure and Function</i> , 2013, 27, 229-237.	0.9	17

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19	Native Plant Communities in an Abandoned Pb-Zn Mining Area of Northern Spain: Implications for Phytoremediation and Germplasm Preservation. <i>International Journal of Phytoremediation</i> , 2011, 13, 256-270.	1.7	80
20	Distribution and evolutionary trends of photoprotective isoprenoids (xanthophylls and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,702 Td (to	2.6	56
21	Diagnosing the Impact of Traffic on Roadside Soils Through Chemometric Analysis on the Concentrations of More Than 60 Metals Measured by ICP/MS. <i>Alliance for Global Sustainability Bookseries</i> , 2009, , 329-336.	0.2	4
22	Plasticity of Photoprotective Mechanisms of <i>Buxus sempervirens</i> L. Leaves in Response to Extreme Temperatures. <i>Plant Biology</i> , 2007, 9, 59-68.	1.8	34
23	New Insights on Glyphosate Mode of Action in Nodular Metabolism: A Role of Shikimate Accumulation. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 2621-2628.	2.4	111
24	Do light acclimation mechanisms reduce the effects of light-dependent herbicides in duckweed ( <i>Lemna</i> ) Tj ETQq0 0 0 rgBT /Overlock 10	0.8	4
25	Acclimation of antioxidant pools to the light environment in a natural forest canopy. <i>New Phytologist</i> , 2004, 163, 87-97.	3.5	47
26	Role of Red Carotenoids in Photoprotection During Winter Acclimation in <i>Buxus sempervirens</i> Leaves. <i>Plant Biology</i> , 2004, 6, 325-332.	1.8	47
27	The lutein epoxide cycle in vegetative buds of woody plants. <i>Functional Plant Biology</i> , 2004, 31, 815.	1.1	31
28	Antioxidant and Pigment Composition during Autumnal Leaf Senescence in Woody Deciduous Species Differing in their Ecological Traits. <i>Plant Biology</i> , 2003, 5, 557-566.	1.8	48
29	Photoprotection in evergreen Mediterranean plants during sudden periods of intense cold weather. <i>Trees - Structure and Function</i> , 2003, 17, 285-291.	0.9	33
30	Do the capacity and kinetics for modification of xanthophyll cycle pool size depend on growth irradiance in temperate trees?. <i>Plant, Cell and Environment</i> , 2003, 26, 1787-1801.	2.8	83
31	The operation of the lutein epoxide cycle correlates with energy dissipation. <i>Functional Plant Biology</i> , 2003, 30, 319.	1.1	76
32	Occurrence and operation of the lutein epoxide cycle in <i>Quercus</i> species. <i>Functional Plant Biology</i> , 2002, 29, 1075.	1.1	48
33	Regulation of the xanthophyll cycle pool size in duckweed ( <i>Lemna minor</i> ) plants. <i>Physiologia Plantarum</i> , 2002, 116, 121-126.	2.6	23
34	Low light grown duckweed plants are more protected against the toxicity induced by Zn and Cd. <i>Plant Physiology and Biochemistry</i> , 2002, 40, 859-863.	2.8	66
35	Photoprotective Responses to Winter Stress in Evergreen Mediterranean Ecosystems. <i>Plant Biology</i> , 2000, 2, 530-535.	1.8	57
36	Comparative phytotoxicity of artemisinin and several sesquiterpene analogues. <i>Phytochemistry</i> , 1999, 50, 607-614.	1.4	92

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37	Dehydrozaluzanin C, a natural sesquiterpenolide, causes rapid plasma membrane leakage. <i>Phytochemistry</i> , 1999, 52, 805-813.	1.4	93
38	Phytotoxicity of Quassinoids: Physiological Responses and Structural Requirements. <i>Pesticide Biochemistry and Physiology</i> , 1999, 65, 15-24.	1.6	45
39	Title is missing!. <i>Plant and Soil</i> , 1999, 216, 139-145.	1.8	3
40	Glyphosate Effects on Phenolic Metabolism of Nodulated Soybean ( <i>Glycine max</i> L. Merr.). <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 2920-2925.	2.4	69
41	Denitrifying ability of thirteen <i>Rhizobium meliloti</i> strains. <i>Plant and Soil</i> , 1993, 149, 43-50.	1.8	25