

# 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	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
2	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
3	Autofluorescence: Biological functions and technical applications. <i>Plant Science</i> , 2015, 236, 136-145.	1.7	106
4	Dehydrozaluzanin C, a natural sesquiterpenolide, causes rapid plasma membrane leakage. <i>Phytochemistry</i> , 1999, 52, 805-813.	1.4	93
5	Comparative phytotoxicity of artemisinin and several sesquiterpene analogues. <i>Phytochemistry</i> , 1999, 50, 607-614.	1.4	92
6	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
7	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
8	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
9	The operation of the lutein epoxide cycle correlates with energy dissipation. <i>Functional Plant Biology</i> , 2003, 30, 319.	1.1	76
10	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
11	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
12	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
13	Photoprotective Responses to Winter Stress in Evergreen Mediterranean Ecosystems. <i>Plant Biology</i> , 2000, 2, 530-535.	1.8	57
14	Distribution and evolutionary trends of photoprotective isoprenoids (xanthophylls and) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,222 Td (to</i>	2.6	56
15	Occurrence and operation of the lutein epoxide cycle in <i>Quercus</i> species. <i>Functional Plant Biology</i> , 2002, 29, 1075.	1.1	48
16	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
17	Acclimation of antioxidant pools to the light environment in a natural forest canopy. <i>New Phytologist</i> , 2004, 163, 87-97.	3.5	47
18	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

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19	Phytotoxicity of Quassinoids: Physiological Responses and Structural Requirements. <i>Pesticide Biochemistry and Physiology</i> , 1999, 65, 15-24.	1.6	45
20	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
21	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
22	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
23	The lutein epoxide cycle in vegetative buds of woody plants. <i>Functional Plant Biology</i> , 2004, 31, 815.	1.1	31
24	Denitrifying ability of thirteen <i>Rhizobium meliloti</i> strains. <i>Plant and Soil</i> , 1993, 149, 43-50.	1.8	25
25	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
26	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
27	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
28	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
29	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
30	On the recalcitrant use of Arnon's method for chlorophyll determination. <i>New Phytologist</i> , 2018, 217, 474-476.	3.5	15
31	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
32	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
33	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
34	Heavy metal tolerance strategies in metallicolous and non-metallicolous populations of mosses: Insights of $\beta^3+\beta^2$ -tocopherol regulatory role. <i>Environmental and Experimental Botany</i> , 2022, 194, 104738.	2.0	10
35	Plant Photosynthetic Pigments: Methods and Tricks for Correct Quantification and Identification. , 2018, , 29-50.		8
36	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

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37	Photoprotective Mechanisms in the Genus Quercus in Response to Winter Cold and Summer Drought. <i>Tree Physiology</i> , 2017, , 361-391.	0.9	6
38	Do light acclimation mechanisms reduce the effects of light-dependent herbicides in duckweed (Lemna) Tj ETQq0 0.0rgBT /Overlock 10	0.8	4
39	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
40	Title is missing!. <i>Plant and Soil</i> , 1999, 216, 139-145.	1.8	3
41	ROLE PLAYING GAMES IS A USEFUL TOOL TO LEARN AND TEACH CURRENT LEGAL REGULATION AND BIOSAFETY OF BIOTECHNOLOGY TO UNDERGRADUATE STUDENTS. , 2017, , .		0