

# Ana Fita

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

1,399  
citations

361296

20  
h-index

360920

35  
g-index

73  
all docs

73  
docs citations

73  
times ranked

1835  
citing authors

#	ARTICLE	IF	CITATIONS
1	Breeding and Domesticating Crops Adapted to Drought and Salinity: A New Paradigm for Increasing Food Production. <i>Frontiers in Plant Science</i> , 2015, 6, 978.	1.7	263
2	Introgresiomics: a new approach for using crop wild relatives in breeding for adaptation to climate change. <i>Euphytica</i> , 2017, 213, 1.	0.6	154
3	Interspecific Hybridization between Eggplant and Wild Relatives from Different Gene pools. <i>Journal of the American Society for Horticultural Science</i> , 2016, 141, 34-44.	0.5	89
4	Characterization of composition traits related to organoleptic and functional quality for the differentiation, selection and enhancement of local varieties of tomato from different cultivar groups. <i>Food Chemistry</i> , 2015, 187, 517-524.	4.2	76
5	Improving seed germination of the eggplant rootstock <i>Solanum torvum</i> by testing multiple factors using an orthogonal array design. <i>Scientia Horticulturae</i> , 2015, 193, 174-181.	1.7	65
6	Genetic diversity, population structure, and relationships in a collection of pepper ( <i>Capsicum</i> spp.) landraces from the Spanish centre of diversity revealed by genotyping-by-sequencing (GBS). <i>Horticulture Research</i> , 2019, 6, 54.	2.9	61
7	Comparative analysis of the responses to water stress in eggplant ( <i>Solanum melongena</i> ) cultivars. <i>Plant Physiology and Biochemistry</i> , 2019, 143, 72-82.	2.8	41
8	Successful Wide Hybridization and Introgression Breeding in a Diverse Set of Common Peppers ( <i>Capsicum annuum</i> ) Using Different Cultivated <i>Ajã</i> ( <i>C. baccatum</i> ) Accessions as Donor Parents. <i>PLoS ONE</i> , 2015, 10, e0144142.	1.1	40
9	Characterization of a collection of local varieties of tomato ( <i>Solanum lycopersicum</i> L.) using conventional descriptors and the high-throughput phenomics tool Tomato Analyzer. <i>Genetic Resources and Crop Evolution</i> , 2015, 62, 189-204.	0.8	38
10	HS-SPME study of the volatile fraction of <i>Capsicum</i> accessions and hybrids in different parts of the fruit. <i>Scientia Horticulturae</i> , 2012, 135, 87-97.	1.7	35
11	Variation in flavonoids in a collection of peppers ( <i>Capsicum</i> sp.) under organic and conventional cultivation: effect of the genotype, ripening stage, and growing system. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 2208-2223.	1.7	35
12	Response to organic cultivation of heirloom <i>Capsicum</i> peppers: Variation in the level of bioactive compounds and effect of ripening. <i>PLoS ONE</i> , 2018, 13, e0207888.	1.1	33
13	First successful backcrossing towards eggplant ( <i>Solanum melongena</i> ) of a New World species, the silverleaf nightshade ( <i>S. elaeagnifolium</i> ), and characterization of interspecific hybrids and backcrosses. <i>Scientia Horticulturae</i> , 2019, 246, 563-573.	1.7	32
14	Physiological and Biochemical Responses to Salt Stress in Cultivated Eggplant ( <i>Solanum melongena</i> L.) and in <i>S. insanum</i> L., a Close Wild Relative. <i>Agronomy</i> , 2020, 10, 651.	1.3	27
15	Breeding strategies for improving the performance and fruit quality of the pepino ( <i>Solanum</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 International, 2011, 44, 1927-1935.	2.9	26
16	Diversity in root architecture and response to P deficiency in seedlings of <i>Cucumis melo</i> L. <i>Euphytica</i> , 2011, 181, 323-339.	0.6	25
17	Phenological growth stages of pepino ( <i>Solanum muricatum</i> ) according to the BBCH scale. <i>Scientia Horticulturae</i> , 2015, 183, 1-7.	1.7	25
18	Potential In Vitro Inhibition of Selected Plant Extracts against SARS-CoV-2 Chymotrypsin-Like Protease (3CLPro) Activity. <i>Foods</i> , 2021, 10, 1503.	1.9	25

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19	Physiological and Molecular Characterization of Crop Resistance to Abiotic Stresses. <i>Agronomy</i> , 2020, 10, 1308.	1.3	22
20	Genetics of Root System Architecture Using Near-isogenic Lines of Melon. <i>Journal of the American Society for Horticultural Science</i> , 2008, 133, 448-458.	0.5	20
21	Diversity in Expression of Phosphorus (P) Responsive Genes in <i>Cucumis melo</i> L. <i>PLoS ONE</i> , 2012, 7, e35387.	1.1	18
22	Comparative Studies on the Physiological and Biochemical Responses to Salt Stress of Eggplant ( <i>Solanum melongena</i> ) and Its Rootstock <i>S. torvum</i> . <i>Agriculture (Switzerland)</i> , 2020, 10, 328.	1.4	18
23	Growth and antioxidant responses triggered by water stress in wild relatives of eggplant. <i>Scientia Horticulturae</i> , 2022, 293, 110685.	1.7	17
24	Root transcriptional responses of two melon genotypes with contrasting resistance to <i>Monosporascus cannonballus</i> (Pollack et Uecker) infection. <i>BMC Genomics</i> , 2012, 13, 601.	1.2	16
25	Physiological and morphological characterisation of <i>Limonium</i> species in their natural habitats: Insights into their abiotic stress responses. <i>Plant and Soil</i> , 2020, 449, 267-284.	1.8	16
26	Implications of the Genetics of Root Structure in Melon Breeding. <i>Journal of the American Society for Horticultural Science</i> , 2006, 131, 372-379.	0.5	14
27	HS-SPME analysis of the volatiles profile of water celery ( <i>Apium nodiflorum</i> ), a wild vegetable with increasing culinary interest. <i>Food Research International</i> , 2019, 121, 765-775.	2.9	13
28	Phenomics of elite heirlooms of peppers ( <i>Capsicum annum</i> L.) from the Spanish centre of diversity: Conventional and high-throughput digital tools towards varietal typification. <i>Scientia Horticulturae</i> , 2020, 265, 109245.	1.7	13
29	Consumers acceptance and volatile profile of wall rocket ( <i>Diplotaxis erucooides</i> ). <i>Food Research International</i> , 2020, 132, 109008.	2.9	10
30	“Piel de Sapo”™ Breeding Lines Tolerant to Melon Vine Decline. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2009, 44, 1458-1460.	0.5	10
31	Quantitative detection of <i>Monosporascus cannonballus</i> in infected melon roots using real-time PCR. <i>European Journal of Plant Pathology</i> , 2008, 120, 147-156.	0.8	9
32	Use of synchronous e-learning at university degrees. <i>Computer Applications in Engineering Education</i> , 2016, 24, 982-993.	2.2	9
33	Growing Conditions Affect the Phytochemical Composition of Edible Wall Rocket ( <i>Diplotaxis</i> ) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 6</i>	1.3	9
34	Factors affecting germination of <i>Diplotaxis erucooides</i> and their effect on selected quality properties of the germinated products. <i>Scientia Horticulturae</i> , 2020, 261, 109013.	1.7	9
35	In vitro germination and growth protocols of the ornamental <i>Lophophora williamsii</i> (Lem.) Coult. as a tool for protecting endangered wild populations. <i>Scientia Horticulturae</i> , 2018, 237, 120-127.	1.7	8
36	Large scale phenotyping and molecular analysis in a germplasm collection of rocket salad ( <i>Eruca</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6</i>	0.6	8

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37	Wild edible foolâ€™s watercress, a potential crop with high nutraceutical properties. PeerJ, 2019, 7, e6296.	0.9	8
38	Potential of wall rocket ( <i>Diplotaxis eruroides</i> ) as a new crop: Influence of the growing conditions on the visual quality of the final product. <i>Scientia Horticulturae</i> , 2019, 258, 108778.	1.7	7
39	Hybridization in Peppers ( <i>Capsicum</i> spp.) to Improve the Volatile Composition in Fully Ripe Fruits: The Effects of Parent Combinations and Fruit Tissues. <i>Agronomy</i> , 2020, 10, 751.	1.3	7
40	Effects of root architecture on response to melon vine decline. <i>Journal of Horticultural Science and Biotechnology</i> , 2008, 83, 616-623.	0.9	5
41	Different Root Morphological Responses to Phosphorus Supplies in Grafted Pepper. <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture</i> , 2018, 75, 59-61.	0.2	5
42	Main Root Adaptations in Pepper Germplasm ( <i>Capsicum</i> spp.) to Phosphorus Low-Input Conditions. <i>Agronomy</i> , 2020, 10, 637.	1.3	5
43	On the introduction of Flipped teaching across multi-disciplinary fields. , 2015, , .		4
44	Spectral comparison of diffuse PAR irradiance under different tree and shrub shading conditions and in cloudy days. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 189, 274-282.	1.7	4
45	Volatile Profile of Wall Rocket Baby-Leaves ( <i>Diplotaxis eruroides</i> ) Grown under Greenhouse: Main Compounds and Genotype Diversity. <i>Agronomy</i> , 2020, 10, 802.	1.3	4
46	In Vitro Propagation of <i>Dierama latifolium</i> . <i>HortTechnology</i> , 1985, 20, 1049-1050.	0.5	4
47	<i>Cucumis melo</i> L. New Breeding Lines Tolerant to Melon Vine Decline. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2009, 44, 2022-2024.	0.5	4
48	Drought Tolerance Among Accessions of Eggplant and Related Species. <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture</i> , 2015, 72, .	0.2	2
49	Use of Molecular Markers to Assist the Development of Inbred Lines under Open Field Conditions: the Case of Criollo Peppers ( <i>Capsicum annum</i> L.) from Mexico. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2017, 45, 365-368.	0.5	2
50	Influence of the Growing Conditions in the Content of Vitamin C in <i>Diplotaxis eruroides</i> . <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture</i> , 2017, 74, 144.	0.2	2
51	Creating Products and Services in Plant Biotechnology. , 2019, , 19-52.		2
52	Morphological Diversity and Bioactive Compounds in Wall Rocket ( <i>Diplotaxis eruroides</i> (L.) DC.). <i>Agronomy</i> , 2020, 10, 306.	1.3	2
53	Seed coat lignification level is crucial in <i>Capsicum</i> spp seed longevity. <i>Physiologia Plantarum</i> , 2021, , e13600.	2.6	2
54	Characterization of the Spectrum of Solar Irradiance under Different Crop Protection Coverings in Mediterranean Conditions and Effect on the Interception of Photosynthetically Active Radiation. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2018, 47, 441-449.	0.5	1

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55	Capsicum root diversity for improved tolerance to abiotic stresses. Journal of Biotechnology, 2014, 185, S117.	1.9	0
56	Genetic diversity of wild populations of Apium nodiflorum. Journal of Biotechnology, 2015, 208, S111.	1.9	0
57	Angolan vegetable crops have unique genotypes of potential value for future breeding programmes. South African Journal of Science, 2016, 112, 12.	0.3	0
58	Crosstalk scion-rootstock modifies root architecture in pepper rootstocks. Journal of Biotechnology, 2018, 280, S86.	1.9	0
59	Genetic Diversity Analysis and Phylogenetic Relationship among a Representative Collection of Spanish Pepper (Capsicum annum) Landraces. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture, 2018, 75, 11-14.	0.2	0
60	Spectral Characterization of Difuse Par Irradiance under Tipuana Tipu Shading. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture, 2018, 75, 19-20.	0.2	0
61	Novel sources of resistance to powdery mildew (Leveillula taurica (LÃ©v.) Arnaud) in pepper. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2021, 49, 12354.	0.5	0
62	Using genetics to improve stress resistance through altering root architecture.. CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , .	0.6	0
63	Effect of Glasshouse Maintenance on the Quality of Irradiance Spectrum under Mediterranean Climates. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture, 2018, 75, 21-22.	0.2	0
64	IMPROVING ACTIVITIES TO DEVELOP SOFT SKILLS USING FLIPPED TEACHING IN HIGHER EDUCATION. , 2018, , .		0
65	PROJECT-DESIGN AS AN ACTIVE-LEARNING METHODOLOGY IN BIOTECHNOLOGY. , 2018, , .		0
66	INTRODUCTION AND DEVELOPMENT OF A PRACTICAL LESSON FOR IMPROVING THE COMPETENCE OF MASTER STUDENTS IN PLANT BREEDING: THE USEFULNESS OF SPECIFIC SOFTWARE IN PHENOTYPING TASKS. INTED Proceedings, 2019, , .	0.0	0
67	INTRODUCTION OF A PRACTICAL LESSON FOR THE EVALUATION OF BIOACTIVE QUALITY IN PLANT MATERIALS ADDRESSED TO STUDENTS IN PLANT BREEDING. , 2019, , .		0
68	IMPROVING THE SPECIFIC COMPETENCES OF MASTER STUDENTS IN BREEDING SCIENCE: INTRODUCTION OF A PRACTICAL LESSON FOR ASSESSING BIOAVAILABILITY OF TARGET MOLECULES. , 2019, , .		0
69	INTRODUCTION OF A PRACTICAL LESSON FOR THE EVALUATION OF CAROTENOIDS IN FRUITS AND VEGETABLES FOR MASTER STUDENTS. , 2019, , .		0
70	Conventional and Innovative Processing in the Stability of Glucosinolates. , 2022, , 411-460.		0