Pedro Pablo Gallego

List of Publications by Year
in descending order

70	1,775	304368 22	301761 39
papers	citations	h-index	g-index

71	71	71	1920
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	UAVs challenge to assess water stress for sustainable agriculture. Agricultural Water Management, 2015, 153, 9-19.	2.4	388
2	Artificial neural networks as an alternative to the traditional statistical methodology in plant research. Journal of Plant Physiology, 2010, 167, 23-27.	1.6	96
3	Grape seeds: the best lignocellulosic waste to produce laccase by solid state cultures of Trametes hirsuta. Biotechnology Letters, 2003, 25, 491-495.	1.1	74
4	Improving knowledge of plant tissue culture and media formulation by neurofuzzy logic: A practical case of data mining using apricot databases. Journal of Plant Physiology, 2011, 168, 1858-1865.	1.6	64
5	Design of tissue culture media for efficient Prunus rootstock micropropagation using artificial intelligence models. Plant Cell, Tissue and Organ Culture, 2014, 117, 349-359.	1.2	60
6	Modeling the Effects of Light and Sucrose on In Vitro Propagated Plants: A Multiscale System Analysis Using Artificial Intelligence Technology. PLoS ONE, 2014, 9, e85989.	1.1	59
7	A role for glutamate decarboxylase during tomato ripening: the characterisation of a cDNA encoding a putative glutamate decarboxylase with a calmodulin-binding site. Plant Molecular Biology, 1995, 27, 1143-1151.	2.0	50
8	Artificial neural networks modeling the in vitro rhizogenesis and acclimatization of Vitis vinifera L.. Journal of Plant Physiology, 2010, 167, 1226-1231.	1.6	46
9	Predicting optimal in vitro culture medium for Pistacia vera micropropagation using neural networks models. Plant Cell, Tissue and Organ Culture, 2017, 129, 19-33.	1.2	45
10	Use of phage Ï•6 to inactivate Pseudomonas syringae pv. actinidiae in kiwifruit plants: in vitro and ex vivo experiments. Applied Microbiology and Biotechnology, 2020, 104, 1319-1330.	1.7	43
11	A neurofuzzy logic approach for modeling plant processes: A practical case of in vitro direct rooting and acclimatization of Vitis vinifera L.. Plant Science, 2010, 179, 241-249.	1.7	41
12	Combining Medicinal Plant In Vitro Culture with Machine Learning Technologies for Maximizing the Production of Phenolic Compounds. Antioxidants, 2020, 9, 210.	2.2	39
13	Strengths of artificial neural networks in modeling complex plant processes. Plant Signaling and Behavior, 2010, 5, 743-745.	1.2	38
14	Combining DOE With Neurofuzzy Logic for Healthy Mineral Nutrition of Pistachio Rootstocks in vitro Culture. Frontiers in Plant Science, 2018, 9, 1474.	1.7	36
15	Soil invertebrates control peatland C fluxes in response to warming. Functional Ecology, 2009, 23, 637-648.	1.7	33
16	Computer-based tools provide new insight into the key factors that cause physiological disorders of pistachio rootstocks cultured in vitro. Scientific Reports, 2019, 9, 9740.	1.6	33
17	Modeling and Optimizing Culture Medium Mineral Composition for in vitro Propagation of Actinidia arguta. Frontiers in Plant Science, 2020, 11, 554905.	1.7	32
18	In vitro culture of the endangered plant Eryngium viviparum as dual strategy for its ex situ conservation and source of bioactive compounds. Plant Cell, Tissue and Organ Culture, 2019, 138, 427-435.	1.2	26

#	Article	IF	Citations
19	Vascular-specific expression of GUS and GFP reporter genes in transgenic grapevine (Vitis vinifera L.) Tj ETQq1 1 0.784314 rgBT /Over Biochemistry, 2011, 49, 413-419.	2.8	25
20	Adsorption of gallic acid, propyl gallate and polyphenols from Bryophyllum extracts on activated carbon. Scientific Reports, 2019, 9, 14830.	1.6	25
21	Shoot tip necrosis of in vitro plant cultures: a reappraisal of possible causes and solutions. Planta, 2020, 252, 47.	1.6	25
22	Machine Learning Technology Reveals the Concealed Interactions of Phytohormones on Medicinal Plant In Vitro Organogenesis. Biomolecules, 2020, 10, 746.	1.8	25
23	An insight into the photodynamic approach versus copper formulations in the control of Pseudomonas syringae pv. actinidiae in kiwi plants. Photochemical and Photobiological Sciences, 2018, 17, 180-191.	1.6	24
24	Computer-Assisted Recovery of Threatened Plants: Keys for Breaking Seed Dormancy of Eryngium viviparum. Frontiers in Plant Science, 2017, 8, 2092.	1.7	23
25	Cyclodextrin-Elicited Bryophyllum Suspension Cultured Cells: Enhancement of the Production of Bioactive Compounds. International Journal of Molecular Sciences, 2019, 20, 5180.	1.8	23
26	The metabolomics reveals intraspecies variability of bioactive compounds in elicited suspension cell cultures of three Bryophyllum species. Industrial Crops and Products, 2021, 163, 113322.	2.5	21
27	Genetic transformation of Eucalyptus globulus using the vascular-specific EgCCR as an alternative to the constitutive CaMV35S promoter. Plant Cell, Tissue and Organ Culture, 2014, 117, 77-84.	1.2	20
28	Application of wood ash compared with fertigation for improving the nutritional status and fruit production of kiwi vines. Journal of Plant Nutrition and Soil Science, 2006, 169, 127-133.	1.1	19
29	Neural networks models as decision-making tool for in vitro proliferation of hardy kiwi. European Journal of Horticultural Science, 2018, 83, 259-265.	0.3	18
30	Changes in Cell Wall Composition and Water-soluble Polysaccharides During Kiwifruit Development. Annals of Botany, 1997, 79, 695-701.	1.4	17
31	Artificial Neural Networks Technology to Model and Predict Plant Biology Process. , 0, , .		17
32	Foliar applied 24-epibrassinolide alleviates salt stress in rice (Oryza sativa L.) by suppression of ABA levels and upregulation of secondary metabolites. Journal of Plant Interactions, 2021, 16, 533-549.	1.0	17
33	From Ethnomedicine to Plant Biotechnology and Machine Learning: The Valorization of the Medicinal Plant Bryophyllum sp.. Pharmaceuticals, 2020, 13, 444.	1.7	16
34	Machine Learning Unmasked Nutritional Imbalances on the Medicinal Plant Bryophyllum sp. Cultured in vitro. Frontiers in Plant Science, 2020, 11, 576177.	1.7	15
35	Exploring the Use of Bryophyllum as Natural Source of Bioactive Compounds with Antioxidant Activity to Prevent Lipid Oxidation of Fish Oil-In-Water Emulsions. Plants, 2020, 9, 1012.	1.6	15
36	Phenolic profiling and in vitro bioactivities of three medicinal Bryophyllum plants. Industrial Crops and Products, 2021, 162, 113241.	2.5	15

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37	Bioactive Natural Products From the Genus Kalanchoe as Cancer Chemopreventive Agents: A Review. Studies in Natural Products Chemistry, 2019, 61, 49-84.	0.8	14
38	Cell Wall Autolysis During Kiwifruit Development. Annals of Botany, 1998, 81, 91-96.	1.4	12
39	Biodegradation of Grape Cluster Stems and Ligninolytic Enzyme Production by Phanerochaete chrysosporium during Semi-Solid-State Cultivation. Acta Biotechnologica, 2003, 23, 65-74.	1.0	12
40	Earthworms and nitrogen applications to improve soil health in an intensively cultivated kiwifruit orchard. Applied Soil Ecology, 2011, 49, 158-166.	2.1	12
41	In vitro establishment and multiplication of hardy kiwi (Actinidia arguta â€˜Issaiâ€™). Acta Horticulturae, 2017, , 51-58.	0.1	11
42	Selecting an efficient proliferation medium forActinidia argutaâ€˜Issaiâ€™ explants. Acta Horticulturae, 2018, , 565-572.	0.1	10
43	The Combination of Untargeted Metabolomics and Machine Learning Predicts the Biosynthesis of Phenolic Compounds in Bryophyllum Medicinal Plants (Genus Kalanchoe). Plants, 2021, 10, 2430.	1.6	10
44	Analysis of the growth kinetic of fruits of Actinidia deliciosa. Biologia Plantarum, 1997, 39, 615-622.	1.9	9
45	Plant Antioxidants in Food Emulsions. , 2019, , .		8
46	Phenolic composition and biological activities of the in vitro cultured endangered Eryngium viviparum J. Gay. Industrial Crops and Products, 2020, 148, 112325.	2.5	8
47	EFFECT OF AGRICULTURAL MANAGEMENT ON KIWIFRUIT NUTRITIONAL PLANT STATUS, FRUIT QUALITY AND YIELD. Acta Horticulturae, 2015, , 79-86.	0.1	7
48	Constitutive expression of SlMX1 gene improves fruit yield and quality, health-promoting compounds, fungal resistance and delays ripening in transgenic tomato plants. Journal of Plant Interactions, 2022, 17, 517-536.	1.0	7
49	Artificial Neural Networks Elucidated the Essential Role of Mineral Nutrients versus Vitamins and Plant Growth Regulators in Achieving Healthy Micropropagated Plants. Plants, 2022, 11, 1284.	1.6	7
50	Comparison of the effectiveness of several commercial products and two new copper complexes to control Pseudomonas syringae pv. actinidiae. Acta Horticulturae, 2018, , 247-252.	0.1	6
51	Earthworm communities in conventional and organic fruit orchards under two different climates. Applied Soil Ecology, 2019, 144, 83-91.	2.1	6
52	Intensive Cultivation of Kiwifruit Alters the Detrital Foodweb and Accelerates Soil C and N Losses. Frontiers in Microbiology, 2019, 10, 686.	1.5	6
53	Ectomycorrhizal fungal community structure in a young orchard of grafted and ungrafted hybrid chestnut saplings. Mycorrhiza, 2021, 31, 189-201.	1.3	6
54	ConservePlants: An integrated approach to conservation of threatened plants for the 21st Century. Research Ideas and Outcomes, 0, 7, .	1.0	6

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55	Narrative review of production of antioxidants and anticancer compounds from Bryophyllum spp. (Kalanchoe) using plant cell tissue culture. Longhua Chinese Medicine, 0, 3, 18-18.	0.5	5
56	EFFECTS OF THREE PLANT GROWTH REGULATORS ON KIWIFRUIT DEVELOPMENT. Acta Horticulturae, 2007, , 549-554.	0.1	4
57	EFFECT OF THREE AUXINS AND SUCROSE ON IN VITRO ROOTING IN SOIL AND ACCLIMATIZATION OF VITIS VINIFERA L. 'ALBARIÃ'O'. Acta Horticulturae, 2009, , 359-364.	0.1	4
58	EFFECTS OF AGRICULTURAL PRACTICES ON SOIL FAUNA COMMUNITIES IN KIWIFRUIT PLANTATIONS. Acta Horticulturae, 2015, , 267-273.	0.1	4
59	Kiwifruit status in Iran: management and production. Acta Horticulturae, 2018, , 39-44.	0.1	4
60	Determination of Cell Wall Autolysis. Modern Methods of Plant Analysis, 1996, , 45-61.	0.1	4
61	Computer-Based Tools Unmask Critical Mineral Nutrient Interactions in Hoagland Solution for Healthy Kiwiberry Plant Acclimatization. Frontiers in Plant Science, 2021, 12, 723992.	1.7	4
62	NUTRITIONAL STATUS OF KIWIFRUIT IN ORGANIC AND CONVENTIONAL FARMING SYSTEMS. Acta Horticulturae, 2010, , 155-160.	0.1	3
63	Deciphering kiwifruit seed germination using neural network tools. Acta Horticulturae, 2018, , 359-366.	0.1	3
64	Artificial Intelligence Tools to Better Understand Seed Dormancy and Germination. , 2020, , .		3
65	Plant Phenolics as Dietary Antioxidants: Insights on Their Biosynthesis, Sources, Health-Promoting Effects, Sustainable Production, and Effects on Lipid Oxidation. , 2022, , 405-426.		3
66	CALCIUM FERTILIZATION IN A KIWIFRUIT ORCHARD. Acta Horticulturae, 2007, , 515-520.	0.1	2
67	Effects of farming practices on the structure of earthworm communities in kiwifruit orchards. Acta Horticulturae, 2018, , 419-426.	0.1	2
68	Kiwifruit production and research in Spain. Acta Horticulturae, 2018, , 23-30.	0.1	2
69	Legacy Effects of Agricultural Practices Override Earthworm Control on C Dynamics in Kiwifruit Orchards. Frontiers in Environmental Science, 2020, 8, .	1.5	2
70	Recent Advances in Fruit Species Transformation. , 0, , .		1