Pablo Velasco

List of Publications by Year
in descending order

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62 papers	3,358 citations	236925 25 h-index	149698 56 g-index
63 all docs	63 docs citations	63 times ranked	3737 citing authors

#	Article	IF	Citations
1	Phenolic Compounds in Brassica Vegetables. Molecules, 2011, 16, 251-280.	3.8	711
2	Glucosinolates in Brassica foods: bioavailability in food and significance for human health. Phytochemistry Reviews, 2008, 7, 213-229.	6.5	334
3	Variation of glucosinolates in vegetable crops of Brassica rapa. Phytochemistry, 2007, 68, 536-545.	2.9	233
4	Factors Affecting the Glucosinolate Content of Kale (Brassica oleraceaacephalaGroup). Journal of Agricultural and Food Chemistry, 2007, 55, 955-962.	5.2	179
5	Seasonal variation in glucosinolate content in Brassica oleracea crops grown in northwestern Spain. Phytochemistry, 2008, 69, 403-410.	2.9	179
6	Simultaneous identification of glucosinolates and phenolic compounds in a representative collection of vegetable Brassica rapa. Journal of Chromatography A, 2009, 1216, 6611-6619.	3.7	147
7	Cooking methods of Brassica rapa affect the preservation of glucosinolates, phenolics and vitamin C. Food Research International, 2010, 43, 1455-1463.	6.2	133
8	Phytochemical fingerprinting of vegetable Brassica oleracea and Brassica napus by simultaneous identification of glucosinolates and phenolics. Phytochemical Analysis, 2011, 22, 144-152.	2.4	122
9	Current Challenges in Plant Eco-Metabolomics. International Journal of Molecular Sciences, 2018, 19, 1385.	4.1	106
10	Effect of temperature stress on the early vegetative development of Brassica oleracea L.. BMC Plant Biology, 2015, 15, 145.	3.6	87
11	Comparison of Glucosinolate Profiles in Leaf and Seed Tissues of Different Brassica napus Crops. Journal of the American Society for Horticultural Science, 2008, 133, 551-558.	1.0	75
12	Effect of Temperature Stress on Antioxidant Defenses in Brassica oleracea. ACS Omega, 2018, 3, 5237-5243.	3.5	71
13	Endophytic fungi as direct plant growth promoters for sustainable agricultural production. Symbiosis, 2021, 85, 1-19.	2.3	61
14	In Vivo and in Vitro Effects of Secondary Metabolites against Xanthomonas campestris pv. campestris. Molecules, 2013, 18, 11131-11143.	3.8	44
15	Identification of Metabolic QTLs and Candidate Genes for Glucosinolate Synthesis in Brassica oleracea Leaves, Seeds and Flower Buds. PLoS ONE, 2014, 9, e91428.	2.5	43
16	Bottom-up and top-down herbivore regulation mediated by glucosinolates in Brassica oleracea var. acephala. Oecologia, 2014, 174, 893-907.	2.0	42
17	Natural control of plant pathogens through glucosinolates: an effective strategy against fungi and oomycetes. Phytochemistry Reviews, 2020, 19, 1045-1059.	6.5	41
18	Effect of Genotype and Environmental Conditions on Health-Promoting Compounds in Brassica rapa. Journal of Agricultural and Food Chemistry, 2011, 59, 2421-2431.	5.2	38

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19	Glucosinolate Variation in Leaves of Brassica rapa Crops. Plant Foods for Human Nutrition, 2012, 67, 283-288.	3.2	34
20	Variation of glucosinolates and nutritional value in nabicol (Brassica napus pabularia group). Euphytica, 2008, 159, 111-122.	1.2	32
21	Antibiotic properties of the glucosinolates of Brassica oleracea var. acephala similarly affect generalist and specialist larvae of two lepidopteran pests. Journal of Pest Science, 2016, 89, 195-206.	3.7	32
22	Discrimination of Xanthomonas campestris pv. campestris races among strains from northwestern Spain by Brassica spp. genotypes and rep-PCR. European Journal of Plant Pathology, 2012, 133, 159-169.	1.7	30
23	Brassica rapa Domestication: Untangling Wild and Feral Forms and Convergence of Crop Morphotypes. Molecular Biology and Evolution, 2021, 38, 3358-3372.	8.9	30
24	Sensory quality of turnip greens and turnip tops grown in northwestern Spain. European Food Research and Technology, 2009, 230, 281-290.	3.3	29
25	Unraveling the metabolic response of <scp>Brassica oleracea</scp> exposed to Xanthomonas campestris pv. campestris. Journal of the Science of Food and Agriculture, 2018, 98, 3675-3683.	3.5	28
26	Ear Resistance of Sweet Corn Populations to Sesamia nonagrioides (Lepidoptera: Noctuidae) and Ostrinia nubilalis (Lepidoptera: Pyralidae). Journal of Economic Entomology, 1999, 92, 732-739.	1.8	27
27	The nabicol: A horticultural crop in northwestern Spain. Euphytica, 2005, 142, 237-246.	1.2	26
28	Brassica oleracea var. acephala (kale) improvement by biological activity of root endophytic fungi. Scientific Reports, 2020, 10, 20224.	3.3	25
29	Modification of Leaf Glucosinolate Contents in Brassica oleracea by Divergent Selection and Effect on Expression of Genes Controlling Glucosinolate Pathway. Frontiers in Plant Science, 2016, 7, 1012.	3.6	23
30	Calcium-signaling proteins mediate the plant transcriptomic response during a well-established Xanthomonas campestris pv. campestris infection. Horticulture Research, 2019, 6, 103.	6.3	23
31	Identification of Antioxidant Capacity -Related QTLs in Brassica oleracea. PLoS ONE, 2014, 9, e107290.	2.5	22
32	Environmental and Genetic Effects on Yield and Secondary Metabolite Production in Brassica rapa Crops. Journal of Agricultural and Food Chemistry, 2012, 60, 5507-5514.	5.2	21
33	Genetic Relationships Among Brassica napus Crops Based on SSR Markers. Hortscience: A Publication of the American Society for Hortcultural Science, 2006, 41, 1195-1199.	1.0	21
34	Trichoderma hamatum Increases Productivity, Glucosinolate Content and Antioxidant Potential of Different Leafy Brassica Vegetables. Plants, 2021, 10, 2449.	3.5	21
35	Ear Damage of Sweet Corn Inbreds and Their Hybrids under Multiple Corn Borer Infestation. Crop Science, 2002, 42, 724-729.	1.8	19
36	Endogenous Circadian Rhythms in Polyphenolic Composition Induce Changes in Antioxidant Properties in Brassica Cultivars. Journal of Agricultural and Food Chemistry, 2018, 66, 5984-5991.	5.2	17

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37	Development of Transgenic Brassica Crops against Biotic Stresses Caused by Pathogens and Arthropod Pests. Plants, 2020, 9, 1664.	3.5	17
38	Effect of regeneration procedures on the genetic integrity of Brassica oleracea accessions. Molecular Breeding, 2009, 23, 389-395.	2.1	16
39	Resistance to the cabbage root fly, Delia radicum (Diptera, Anthomyiidae), of turnip varieties (Brassica) Tj ETQq1 1 0.784314 rgBT /Over	1.2	16
40	Pasta products enriched with moringa sprout powder as nutritive dense foods with bioactive potential. Food Chemistry, 2021, 360, 130032.	8.2	16
41	Ear Feeding Resistance of Sweet Corn Inbreds to Pink Stem Borer. Journal of the American Society for Horticultural Science, 1999, 124, 268-272.	1.0	16
42	Organ-Specific Quantitative Genetics and Candidate Genes of Phenylpropanoid Metabolism in Brassica oleracea. Frontiers in Plant Science, 2015, 6, 1240.	3.6	15
43	Temperature and light conditions at different latitudes affect sensory quality of broccoli florets (Brassica oleracea L. var. italica). Journal of the Science of Food and Agriculture, 2017, 97, 3500-3508.	3.5	15
44	Screening for resistance to black rot in Brassica oleracea crops. Plant Breeding, 2012, 131, 607-613.	1.9	14
45	Genotypic and Environmental Effects on Agronomic and Nutritional Value of Brassica rapa. Agronomy Journal, 2011, 103, 735-742.	1.8	13
46	Glucosinolate-Degradation Products as Co-Adjuvant Therapy on Prostate Cancer in Vitro. International Journal of Molecular Sciences, 2019, 20, 4977.	4.1	12
47	Agronomic and Metabolomic Side-Effects of a Divergent Selection for Indol-3-Ylmethylglucosinolate Content in Kale (Brassica oleracea var. acephala). Metabolites, 2021, 11, 384.	2.9	12
48	Morphologic and Agronomic Diversity of Brassica napus Crops. Journal of the American Society for Horticultural Science, 2008, 133, 48-54.	1.0	11
49	Brassica glucosinolate rhythmicity in response to light-dark entrainment cycles is cultivar-dependent. Plant Science, 2018, 275, 28-35.	3.6	10
50	Screening for resistance to black rot in a Spanish collection of Brassica rapa. Plant Breeding, 2015, 134, 551-556.	1.9	9
51	Characterization of a Spanish Brassica oleracea collection by using molecular and biochemical markers. Scientia Horticulturae, 2017, 219, 344-350.	3.6	9
52	Glucosinolates as an effective tool in plant-parasitic nematodes control: Exploiting natural plant defenses. Applied Soil Ecology, 2022, 176, 104497.	4.3	9
53	Genetics and Breeding of Brassica Crops. Reference Series in Phytochemistry, 2017, , 61-86.	0.4	8
54	Evaluation of Italian and Spanish Accessions of Brassica rapa L.: Effect of Flowering Earliness on Fresh Yield and Biological Value. Agronomy, 2021, 11, 29.	3.0	7

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55	Resistance of kale varieties to attack by Mamestra brassicae. Agricultural and Forest Entomology, 2009, 11, 153-160.	1.3	6
56	Glucosinolates in Brassica and Cancer. , 2010, , 3-29.		4
57	Mating System of Brassica napus and Its Relationship with Morphological and Ecological Parameters in Northwestern Spain. Journal of Heredity, 2013, 104, 491-499.	2.4	4
58	Inheritance and metabolomics of the resistance of two F2 populations of Phaseolus spp. to Acanthoscelides obtectus. Arthropod-Plant Interactions, 2020, 14, 641-651.	1.1	3
59	New Vegetable Brassica Foods: A Promising Source of Bioactive Compounds. Foods, 2021, 10, 2911.	4.3	3
60	Manufacture of healthy snack bars supplemented with moringa sprout powder. LWT - Food Science and Technology, 2022, 154, 112828.	5.2	2
61	Changes in Brassica oleracea Leaves Infected With Xanthomonas campestris pv. campestris by Proteomics Analysis. Frontiers in Plant Science, 2021, 12, 781984.	3.6	2
62	Genetics and Breeding of Brassica Crops. , 2016, , 1-26.		1