Marta Francisco

List of Publications by Citations

52 papers	1,611 citations	18 h-index	39 g-index
54 ext. papers	1,970 ext. citations	4.3 avg, IF	4.59 L-index

#	Paper	IF	Citations
52	Phenolic compounds in Brassica vegetables. *Molecules*, **2010**, 16, 251-80	4.8	527
51	Cooking methods of Brassica rapa affect the preservation of glucosinolates, phenolics and vitamin C. *Food Research International*, **2010**, 43, 1455-1463	7	119
50	Simultaneous identification of glucosinolates and phenolic compounds in a representative collection of vegetable Brassica rapa. *Journal of Chromatography A*, **2009**, 1216, 6611-9	4.5	115
49	Phytochemical fingerprinting of vegetable Brassica oleracea and Brassica napus by simultaneous identification of glucosinolates and phenolics. *Phytochemical Analysis*, **2011**, 22, 144-52	3.4	96
48	Natural genetic variation in Arabidopsis thaliana defense metabolism genes modulates field fitness. *ELife*, **2015**, 4,	8.9	64
47	New insights into antioxidant activity of Brassica crops. *Food Chemistry*, **2012**, 134, 725-33	8.5	60
46	Postharvest circadian entrainment enhances crop pest resistance and phytochemical cycling. *Current Biology*, **2013**, 23, 1235-41	6.3	54
45	The Glucosinolate Biosynthetic Gene AOP2 Mediates Feed-back Regulation of Jasmonic Acid Signaling in Arabidopsis. *Molecular Plant*, **2015**, 8, 1201-12	14.4	51
44	Nutritional and phytochemical value of Brassica crops from the agri-food perspective. *Annals of Applied Biology*, **2017**, 170, 273-285	2.6	47
43	Genome Wide Association Mapping in Arabidopsis thaliana Identifies Novel Genes Involved in Linking Allyl Glucosinolate to Altered Biomass and Defense. *Frontiers in Plant Science*, **2016**, 7, 1010	6.2	39
42	The Defense Metabolite, Allyl Glucosinolate, Modulates Arabidopsis thaliana Biomass Dependent upon the Endogenous Glucosinolate Pathway. *Frontiers in Plant Science*, **2016**, 7, 774	6.2	38
41	Antiproliferative activity of the dietary isothiocyanate erucin, a bioactive compound from cruciferous vegetables, on human prostate cancer cells. *Nutrition and Cancer*, **2013**, 65, 132-8	2.8	33
40	Plant domestication decreases both constitutive and induced chemical defences by direct selection against defensive traits. *Scientific Reports*, **2018**, 8, 12678	4.9	33
39	In vivo and in vitro effects of secondary metabolites against Xanthomonas campestris pv. campestris. *Molecules*, **2013**, 18, 11131-43	4.8	30
38	Effect of genotype and environmental conditions on health-promoting compounds in Brassica rapa. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 2421-31	5.7	28
37	Impacts of urbanization on insect herbivory and plant defences in oak trees. *Oikos*, **2019**, 128, 113-123	4	25
36	Sensory quality of turnip greens and turnip tops grown in northwestern Spain. *European Food Research and Technology*, **2009**, 230, 281-290	3.4	24

35	Resistance of cabbage (Brassica oleracea capitata group) crops to Mamestra brassicae. *Journal of Economic Entomology*, **2010**, 103, 1866-74	2.2	19
34	Dissecting quantitative resistance to Xanthomonas campestris pv. campestris in leaves of Brassica oleracea by QTL analysis. *Scientific Reports*, **2019**, 9, 2015	4.9	17
33	Role of Major Glucosinolates in the Defense of Kale Against and pv.. *Phytopathology*, **2019**, 109, 1246-1256	3.6	15
32	Environmental and genetic effects on yield and secondary metabolite production in Brassica rapa crops. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 5507-14	5.7	15
31	Epistasis environment interactions among Arabidopsis thaliana glucosinolate genes impact complex traits and fitness in the field. *New Phytologist*, **2017**, 215, 1249-1263	9.8	13
30	Genotypic and Environmental Effects on Agronomic and Nutritional Value of Brassica rapa. *Agronomy Journal*, **2011**, 103, 735-742	2.2	13
29	Genetic structure and diversity of a collection of Brassica rapa subsp. rapa L. revealed by simple sequence repeat markers. *Journal of Agricultural Science*, **2011**, 149, 617-624	1	13
28	Assessing the influence of biogeographical region and phylogenetic history on chemical defences and herbivory in Quercus species. *Phytochemistry*, **2018**, 153, 64-73	4	12
27	Screening for resistance to black rot in Brassica oleracea crops. *Plant Breeding*, **2012**, 131, 607-613	2.4	12
26	Inducibility of chemical defences in young oak trees is stronger in species with high elevational ranges. *Tree Physiology*, **2019**, 39, 606-614	4.2	11
25	Organ-Specific Quantitative Genetics and Candidate Genes of Phenylpropanoid Metabolism in Brassica oleracea. *Frontiers in Plant Science*, **2015**, 6, 1240	6.2	9
24	Endogenous Circadian Rhythms in Polyphenolic Composition Induce Changes in Antioxidant Properties in Brassica Cultivars. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 5984-5991	5.7	9
23	Screening for resistance to black rot in a Spanish collection of Brassica rapa. *Plant Breeding*, **2015**, 134, 551-556	2.4	8
22	Isolation and characterization of polymorphic microsatellite loci in the razor clam Ensis siliqua. *Molecular Ecology Notes*, **2007**, 7, 221-222		7
21	Development of Transgenic Crops Against Biotic Stresses Caused by Pathogens and Arthropod Pests. *Plants*, **2020**, 9,	4.5	6
20	Brassica glucosinolate rhythmicity in response to light-dark entrainment cycles is cultivar-dependent. *Plant Science*, **2018**, 275, 28-35	5.3	6
19	Development of microsatellite markers in the razor clam Solen marginatus (Bivalvia: Solenidae). *Journal of the Marine Biological Association of the United Kingdom*, **2007**, 87, 977-978	1.1	6
18	Genetics and Breeding of Brassica Crops. *Reference Series in Phytochemistry*, **2017**, 61-86	0.7	6

17	Identification of Sources of Resistance to Xanthomonas campestris pv. campestris in Brassica napus Crops. *Plant Disease*, **2011**, 95, 292-297	1.5	4
16	Effects of amount and recurrence of leaf herbivory on the induction of direct and indirect defences in wild cotton. *Plant Biology*, **2019**, 21, 1063-1071	3.7	3
15	Glucosinolates in Brassica and Cancer **2010**, 3-29		3
14	Differences in nutrient composition of sea fennel (Crithmum maritimum) grown in different habitats and optimally controlled growing conditions. *Journal of Food Composition and Analysis*, **2021**, 106, 104266	4.1	3
13	Fine mapping identifies NAD-ME1 as a candidate underlying a major locus controlling temporal variation in primary and specialized metabolism in Arabidopsis. *Plant Journal*, **2021**, 106, 454-467	6.9	3
12	Molecular evidence of outcrossing rate variability in Brassica napus. *Euphytica*, **2011**, 180, 301-306	2.1	2
11	Processing and cooking effects on glucosinolates and their derivatives **2020**, 181-212		2
10	Black Rot Disease Decreases Young Brassica oleracea Plants Biomass but Has No Effect in Adult Plants. *Agronomy*, **2021**, 11, 569	3.6	2
9	Effects of soil abiotic factors and plant chemical defences on seed predation on sea fennel (Crithmum maritimum). *Plant and Soil*, **2021**, 465, 289-300	4.2	2
8	Climate affects neighbour-induced changes in leaf chemical defences and tree diversity-herbivory relationships. *Functional Ecology*, **2021**, 35, 67-81	5.6	2
7	Metabolite fingerprinting and identification of potential quality markers of Zataria multiflora by a chemometric approach. *Journal of the Iranian Chemical Society*, **2019**, 16, 1631-1639	2	1
6	Host plant frequency and secondary metabolites are concurrently associated with insect herbivory in a dominant riparian tree. *Biology Letters*, **2018**, 14, 20180281	3.6	1
5	Interactive effects between salinity and nutrient deficiency on biomass production and bio-active compounds accumulation in the halophyte Crithmum maritimum. *Scientia Horticulturae*, **2022**, 301, 111136	4.1	1
4	Changes in glucosinolates content in Brassica oleracea modulate disease severity caused by Xanthomonas campestris pv. campestris. *Acta Horticulturae*, **2018**, 75-80	0.3	0
3	Plant Responses Underlying Timely Specialized Metabolites Induction of Crops.. *Frontiers in Plant Science*, **2021**, 12, 807710	6.2	0
2	Importance of Daily Rhythms on Brassicaceae Phytochemicals. *Agronomy*, **2021**, 11, 639	3.6	0
1	Crithmum maritimum seeds, a potential source for high-quality oil and phenolic compounds in soils with no agronomical relevance. *Journal of Food Composition and Analysis*, **2022**, 108, 104413	4.1	