

Marta Francisco

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Crithmum maritimum seeds, a potential source for high-quality oil and phenolic compounds in soils with no agronomical relevance. <i>Journal of Food Composition and Analysis</i> , 2022 , 108, 104413	4.1	
51	Interactive effects between salinity and nutrient deficiency on biomass production and bio-active compounds accumulation in the halophyte <i>Crithmum maritimum</i> . <i>Scientia Horticulturae</i> , 2022 , 301, 111136	4.1	1
50	Plant Responses Underlying Timely Specialized Metabolites Induction of Crops.. <i>Frontiers in Plant Science</i> , 2021 , 12, 807710	6.2	0
49	Differences in nutrient composition of sea fennel (<i>Crithmum maritimum</i>) grown in different habitats and optimally controlled growing conditions. <i>Journal of Food Composition and Analysis</i> , 2021 , 106, 104266	4.1	3
48	Black Rot Disease Decreases Young Brassica oleracea Plants[Biomass but Has No Effect in Adult Plants. <i>Agronomy</i> , 2021 , 11, 569	3.6	2
47	Fine mapping identifies NAD-ME1 as a candidate underlying a major locus controlling temporal variation in primary and specialized metabolism in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2021 , 106, 454-467	6.9	3
46	Effects of soil abiotic factors and plant chemical defences on seed predation on sea fennel (<i>Crithmum maritimum</i>). <i>Plant and Soil</i> , 2021 , 465, 289-300	4.2	2
45	Climate affects neighbour-induced changes in leaf chemical defences and tree diversity-herbivory relationships. <i>Functional Ecology</i> , 2021 , 35, 67-81	5.6	2
44	Importance of Daily Rhythms on Brassicaceae Phytochemicals. <i>Agronomy</i> , 2021 , 11, 639	3.6	0
43	Development of Transgenic Crops Against Biotic Stresses Caused by Pathogens and Arthropod Pests. <i>Plants</i> , 2020 , 9,	4.5	6
42	Processing and cooking effects on glucosinolates and their derivatives 2020 , 181-212		2
41	Role of Major Glucosinolates in the Defense of Kale Against and pv.. <i>Phytopathology</i> , 2019 , 109, 1246-1256	3.6	15
40	Metabolite fingerprinting and identification of potential quality markers of <i>Zataria multiflora</i> by a chemometric approach. <i>Journal of the Iranian Chemical Society</i> , 2019 , 16, 1631-1639	2	1
39	Dissecting quantitative resistance to <i>Xanthomonas campestris</i> pv. <i>campestris</i> in leaves of <i>Brassica oleracea</i> by QTL analysis. <i>Scientific Reports</i> , 2019 , 9, 2015	4.9	17
38	Impacts of urbanization on insect herbivory and plant defences in oak trees. <i>Oikos</i> , 2019 , 128, 113-123	4	25
37	Effects of amount and recurrence of leaf herbivory on the induction of direct and indirect defences in wild cotton. <i>Plant Biology</i> , 2019 , 21, 1063-1071	3.7	3
36	Inducibility of chemical defences in young oak trees is stronger in species with high elevational ranges. <i>Tree Physiology</i> , 2019 , 39, 606-614	4.2	11

35	Brassica glucosinolate rhythmicity in response to light-dark entrainment cycles is cultivar-dependent. <i>Plant Science</i> , 2018 , 275, 28-35	5.3	6
34	Changes in glucosinolates content in Brassica oleracea modulate disease severity caused by Xanthomonas campestris pv. campestris. <i>Acta Horticulturae</i> , 2018 , 75-80	0.3	0
33	Assessing the influence of biogeographical region and phylogenetic history on chemical defences and herbivory in Quercus species. <i>Phytochemistry</i> , 2018 , 153, 64-73	4	12
32	Host plant frequency and secondary metabolites are concurrently associated with insect herbivory in a dominant riparian tree. <i>Biology Letters</i> , 2018 , 14, 20180281	3.6	1
31	Plant domestication decreases both constitutive and induced chemical defences by direct selection against defensive traits. <i>Scientific Reports</i> , 2018 , 8, 12678	4.9	33
30	Endogenous Circadian Rhythms in Polyphenolic Composition Induce Changes in Antioxidant Properties in Brassica Cultivars. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 5984-5991	5.7	9
29	Epistasis Environment interactions among Arabidopsis thaliana glucosinolate genes impact complex traits and fitness in the field. <i>New Phytologist</i> , 2017 , 215, 1249-1263	9.8	13
28	Nutritional and phytochemical value of Brassica crops from the agri-food perspective. <i>Annals of Applied Biology</i> , 2017 , 170, 273-285	2.6	47
27	Genetics and Breeding of Brassica Crops. <i>Reference Series in Phytochemistry</i> , 2017 , 61-86	0.7	6
26	The Defense Metabolite, Allyl Glucosinolate, Modulates Arabidopsis thaliana Biomass Dependent upon the Endogenous Glucosinolate Pathway. <i>Frontiers in Plant Science</i> , 2016 , 7, 774	6.2	38
25	Genome Wide Association Mapping in Arabidopsis thaliana Identifies Novel Genes Involved in Linking Allyl Glucosinolate to Altered Biomass and Defense. <i>Frontiers in Plant Science</i> , 2016 , 7, 1010	6.2	39
24	The Glucosinolate Biosynthetic Gene AOP2 Mediates Feed-back Regulation of Jasmonic Acid Signaling in Arabidopsis. <i>Molecular Plant</i> , 2015 , 8, 1201-12	14.4	51
23	Screening for resistance to black rot in a Spanish collection of Brassica rapa. <i>Plant Breeding</i> , 2015 , 134, 551-556	2.4	8
22	Natural genetic variation in Arabidopsis thaliana defense metabolism genes modulates field fitness. <i>ELife</i> , 2015 , 4,	8.9	64
21	Organ-Specific Quantitative Genetics and Candidate Genes of Phenylpropanoid Metabolism in Brassica oleracea. <i>Frontiers in Plant Science</i> , 2015 , 6, 1240	6.2	9
20	Antiproliferative activity of the dietary isothiocyanate erucin, a bioactive compound from cruciferous vegetables, on human prostate cancer cells. <i>Nutrition and Cancer</i> , 2013 , 65, 132-8	2.8	33
19	Postharvest circadian entrainment enhances crop pest resistance and phytochemical cycling. <i>Current Biology</i> , 2013 , 23, 1235-41	6.3	54
18	In vivo and in vitro effects of secondary metabolites against Xanthomonas campestris pv. campestris. <i>Molecules</i> , 2013 , 18, 11131-43	4.8	30

17	Screening for resistance to black rot in Brassica oleracea crops. <i>Plant Breeding</i> , 2012 , 131, 607-613	2.4	12
16	Environmental and genetic effects on yield and secondary metabolite production in Brassica rapa crops. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 5507-14	5.7	15
15	New insights into antioxidant activity of Brassica crops. <i>Food Chemistry</i> , 2012 , 134, 725-33	8.5	60
14	Genotypic and Environmental Effects on Agronomic and Nutritional Value of Brassica rapa. <i>Agronomy Journal</i> , 2011 , 103, 735-742	2.2	13
13	Genetic structure and diversity of a collection of Brassica rapa subsp. rapa L. revealed by simple sequence repeat markers. <i>Journal of Agricultural Science</i> , 2011 , 149, 617-624	1	13
12	Identification of Sources of Resistance to Xanthomonas campestris pv. campestris in Brassica napus Crops. <i>Plant Disease</i> , 2011 , 95, 292-297	1.5	4
11	Molecular evidence of outcrossing rate variability in Brassica napus. <i>Euphytica</i> , 2011 , 180, 301-306	2.1	2
10	Phytochemical fingerprinting of vegetable Brassica oleracea and Brassica napus by simultaneous identification of glucosinolates and phenolics. <i>Phytochemical Analysis</i> , 2011 , 22, 144-52	3.4	96
9	Effect of genotype and environmental conditions on health-promoting compounds in Brassica rapa. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 2421-31	5.7	28
8	Phenolic compounds in Brassica vegetables. <i>Molecules</i> , 2010 , 16, 251-80	4.8	527
7	Resistance of cabbage (Brassica oleracea capitata group) crops to Mamestra brassicae. <i>Journal of Economic Entomology</i> , 2010 , 103, 1866-74	2.2	19
6	Cooking methods of Brassica rapa affect the preservation of glucosinolates, phenolics and vitamin C. <i>Food Research International</i> , 2010 , 43, 1455-1463	7	119
5	Glucosinolates in Brassica and Cancer 2010 , 3-29		3
4	Sensory quality of turnip greens and turnip tops grown in northwestern Spain. <i>European Food Research and Technology</i> , 2009 , 230, 281-290	3.4	24
3	Simultaneous identification of glucosinolates and phenolic compounds in a representative collection of vegetable Brassica rapa. <i>Journal of Chromatography A</i> , 2009 , 1216, 6611-9	4.5	115
2	Isolation and characterization of polymorphic microsatellite loci in the razor clam Ensis siliqua. <i>Molecular Ecology Notes</i> , 2007 , 7, 221-222		7
1	Development of microsatellite markers in the razor clam Solen marginatus (Bivalvia: Solenidae). <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2007 , 87, 977-978	1.1	6