Giovanni Dinelli

List of Publications by Year
in descending order

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100	4,405	94433	114465
papers	citations	37 h-index	63 g-index

100	100	100	5764
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Kombucha Beverage from Green, Black and Rooibos Teas: A Comparative Study Looking at Microbiology, Chemistry and Antioxidant Activity. Nutrients, 2019, 11, 1.	4.1	656
2	Profiles of phenolic compounds in modern and old common wheat varieties determined by liquid chromatography coupled with time-of-flight mass spectrometry. Journal of Chromatography A, 2011, 1218, 7670-7681.	3.7	159
3	Determination of phenolic compounds in modern and old varieties of durum wheat using liquid chromatography coupled with time-of-flight mass spectrometry. Journal of Chromatography A, 2009, 1216, 7229-7240.	3.7	151
4	Bioactive Peptides in Cereals and Legumes: Agronomical, Biochemical and Clinical Aspects. International Journal of Molecular Sciences, 2014, 15, 21120-21135.	4.1	141
5	Beyond the ionic and osmotic response to salinity in Chenopodium quinoa: functional elements of successful halophytism. Functional Plant Biology, 2011, 38, 818.	2.1	127
6	Optimal red:blue ratio in led lighting for nutraceutical indoor horticulture. Scientia Horticulturae, 2015, 193, 202-208.	3.6	125
7	Comparative metabolomic study of transgenic versus conventional soybean using capillary electrophoresisâ€“time-of-flight mass spectrometry. Journal of Chromatography A, 2008, 1195, 164-173.	3.7	123
8	Functional biodiversity in the agricultural landscape: relationships between weeds and arthropod fauna. Weed Research, 2010, 50, 388-401.	1.7	114
9	CEâ€TOF MS analysis of complex protein hydrolyzates from genetically modified soybeans â€“ A tool for foodomics. Electrophoresis, 2010, 31, 1175-1183.	2.4	109
10	Physiological and molecular insight on the mechanisms of resistance to glyphosate in Conyza canadensis (L.) Cronq. biotypes. Pesticide Biochemistry and Physiology, 2006, 86, 30-41.	3.6	106
11	Physiological and molecular bases of glyphosate resistance in Conyza bonariensis biotypes from Spain. Weed Research, 2008, 48, 257-265.	1.7	95
12	Atrazine and metolachlor degradation in subsoils. Biology and Fertility of Soils, 2001, 33, 495-500.	4.3	89
13	Content of flavonols in Italian bean (Phaseolus vulgaris L.) ecotypes. Food Chemistry, 2006, 99, 105-114.	8.2	82
14	A Novel P106L Mutation in EPSPS and an Unknown Mechanism(s) Act Additively To Confer Resistance to Glyphosate in a South African Lolium rigidum Population. Journal of Agricultural and Food Chemistry, 2011, 59, 3227-3233.	5.2	77
15	Use of capillary electrophoresis for detection of metsulfuron and chlorsulfuron in tap water. Journal of Agricultural and Food Chemistry, 1993, 41, 742-746.	5.2	75
16	Detection and quantitation of sulfonylurea herbicides in soil at the ppb level by capillary electrophoresis. Journal of Chromatography A, 1995, 700, 201-207.	3.7	75
17	Selective extraction, separation, and identification of anthocyanins from Hibiscus sabdariffa L. using solid phase extractionâ€capillary electrophoresisâ€mass spectrometry (timeâ€ofâ€flight /ion trap). Electrophoresis, 2008, 29, 2852-2861.	2.4	72
18	High-performance liquid chromatographic determination of sulfonylureas in soil and water. Journal of Chromatography A, 1995, 692, 27-37.	3.7	68

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19	Phytochemical Profile and Nutraceutical Value of Old and Modern Common Wheat Cultivars. PLoS ONE, 2012, 7, e45997.	2.5	68
20	Glyphosate-resistant Hairy Fleabane (Conyza Bonariensis) in Spain. Weed Technology, 2007, 21, 396-401.	0.9	65
21	Germination ecology, emergence and host detection in Cuscuta campestris. Weed Research, 2005, 45, 270-278.	1.7	62
22	Lignan profile in seeds of modern and old Italian soft wheat (Triticum aestivum L.) cultivars as revealed by CEâ€MS analyses. Electrophoresis, 2007, 28, 4212-4219.	2.4	60
23	Hydrolytic Dissipation of Four Sulfonylurea Herbicides. Journal of Agricultural and Food Chemistry, 1997, 45, 1940-1945.	5.2	57
24	Separation and detection of herbicides in water by micellar electrokinetic capillary chromatography. Biomedical Applications, 1994, 656, 275-280.	1.7	54
25	Thiophene occurrence in differentTagetesspecies: agricultural biomasses as sources of biocidal substances. Journal of the Science of Food and Agriculture, 2010, 90, 1210-1217.	3.5	54
26	Characterization of Bifidobacterium spp. strains for the treatment of enteric disorders in newborns. Applied Microbiology and Biotechnology, 2012, 96, 1561-1576.	3.6	54
27	Biotransformation of Common Bean (Phaseolus vulgarisL.) Flavonoid Glycosides byBifidobacteriumSpecies from Human Intestinal Origin. Journal of Agricultural and Food Chemistry, 2007, 55, 3913-3919.	5.2	53
28	Comparison of the Persistence of Atrazine and Metolachlor under Field and Laboratory Conditions. Journal of Agricultural and Food Chemistry, 2000, 48, 3037-3043.	5.2	52
29	Prebiotic effect of soluble fibres from modern and old durumâ€type wheat varieties on Lactobacillus and Bifidobacterium strains. Journal of the Science of Food and Agriculture, 2012, 92, 2133-2140.	3.5	51
30	Responses of peripheral blood mononucleated cells from non-celiac gluten sensitive patients to various cereal sources. Food Chemistry, 2015, 176, 167-174.	8.2	51
31	Citrus bergamia powder: Antioxidant, antimicrobial and anti-inflammatory properties. Journal of Functional Foods, 2017, 31, 255-265.	3.4	48
32	Separation of sulfonylurea metabolites in water by capillary electrophoresis. Journal of Chromatography A, 1995, 700, 195-200.	3.7	47
33	Monitoring of herbicide pollution in water by capillary electrophoresis. Journal of Chromatography A, 1996, 733, 337-347.	3.7	43
34	Healthâ€promoting phytochemicals of Italian common wheat varieties grown under lowâ€input agricultural management. Journal of the Science of Food and Agriculture, 2012, 92, 2800-2810.	3.5	43
35	Self-Organized Crystallization Patterns from Evaporating Droplets of Common Wheat Grain Leakages as a Potential Tool for Quality Analysis. Scientific World Journal, The, 2011, 11, 1712-1725.	2.1	41
36	Determination of phenolic compounds in ancient and modern durum wheat genotypes. Electrophoresis, 2018, 39, 2001-2010.	2.4	40

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37	Degradation and Side Effects of Three Sulfonylurea Herbicides in Soil. Journal of Environmental Quality, 1998, 27, 1459-1464.	2.0	39
38	Development and Application of a Liquid Chromatographyâ€“Mass Spectrometry Method To Evaluate the Glyphosate and Aminomethylphosphonic Acid Dissipation in Maize Plants after Foliar Treatment. Journal of Agricultural and Food Chemistry, 2012, 60, 4017-4025.	5.2	37
39	Effect of sourdough fermentation and baking process severity on dietary fibre and phenolic compounds of immature wheat flour bread. LWT - Food Science and Technology, 2017, 83, 26-32.	5.2	36
40	Composition and content of seed flavonoids in forage and grain legume crops. Journal of Separation Science, 2007, 30, 491-501.	2.5	35
41	Micellar electrokinetic capillary chromatography analysis of water-soluble vitamins and multi-vitamin integrators. Electrophoresis, 1994, 15, 1147-1150.	2.4	34
42	Flavonoid bioconversion in Bifidobacterium pseudocatenulatum B7003: A potential probiotic strain for functional food development. Journal of Functional Foods, 2014, 7, 671-679.	3.4	33
43	The Ramazzini Institute 13-week study on glyphosate-based herbicides at human-equivalent dose in Sprague Dawley rats: study design and first in-life endpoints evaluation. Environmental Health, 2018, 17, 52.	4.0	33
44	Short-Time Effects of Pure and Formulated Herbicides on Soil Microbial Activity and Biomass. International Journal of Environmental Analytical Chemistry, 2002, 82, 519-527.	3.3	31
45	Determination of tetracycline residues in honey by CZE with ultraviolet absorbance detection. Electrophoresis, 2007, 28, 2882-2887.	2.4	31
46	Inoculation with microorganisms of Lolium perenne L.: evaluation of plant growth parameters and endophytic colonization of roots. New Biotechnology, 2013, 30, 695-704.	4.4	30
47	In vivo assay to identify bacteria with Î²-glucosidase activity. Electronic Journal of Biotechnology, 2017, 30, 83-87.	2.2	30
48	Are Supplements Safe? Effects of Gallic and Ferulic Acids on In Vitro Cell Models. Nutrients, 2020, 12, 1591.	4.1	28
49	Environment and genotype effects on antioxidant properties of organically grown wheat varieties: a 3-year study. Journal of the Science of Food and Agriculture, 2017, 97, 641-649.	3.5	27
50	Differentiation of modern and ancient varieties of common wheat by quantitative capillary electrophoretic profile of phenolic acids. Journal of Chromatography A, 2018, 1532, 208-215.	3.7	26
51	Primisulfuron and Rimsulfuron Degradation in Aqueous Solution and Adsorption in Six Colorado Soils. Weed Science, 1996, 44, 672-677.	1.5	25
52	Field-amplified sample injection and sweeping micellar electrokinetic chromatography in analysis of glyphosate and aminomethylphosphonic acid in wheat. Journal of Chromatography A, 2019, 1601, 357-364.	3.7	23
53	Compared Use of HPLC and FZCE for Cluster Analysis of Triticum spp and for the Identification of T. durum Adulteration. Journal of Agricultural and Food Chemistry, 2004, 52, 4080-4089.	5.2	22
54	Compositional changes induced by UV-B radiation treatment of common bean and soybean seedlings monitored by capillary electrophoresis with diode array detection. Journal of Separation Science, 2007, 30, 604-611.	2.5	22

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55	Agronomic, nutritional and nutraceutical aspects of durum wheat (Triticum durum Desf.) cultivars under low input agricultural management. Italian Journal of Agronomy, 2013, 8, 12.	1.0	22
56	Droplet evaporation method as a new potential approach for highlighting the effectiveness of ultra high dilutions. Complementary Therapies in Medicine, 2014, 22, 333-340.	2.7	22
57	Effects of flour storage and heat generated during milling on starch, dietary fibre and polyphenols in stoneground flours from two durumâ€type wheats. International Journal of Food Science and Technology, 2014, 49, 2230-2236.	2.7	21
58	Lunasin in wheat: A chemical and molecular study on its presence or absence. Food Chemistry, 2014, 151, 520-525.	8.2	20
59	Serum From Advanced Heart Failure Patients Promotes Angiogenic Sprouting and Affects the Notch Pathway in Human Endothelial Cells. Journal of Cellular Physiology, 2016, 231, 2700-2710.	4.1	20
60	Comparison of Capillary Electrophoresis, HPLC, and Enzyme Immunoassay for Terbuthylazine Detection in Water. Journal of Agricultural and Food Chemistry, 1995, 43, 951-955.	5.2	19
61	The nutraceutical value of grain legumes: characterisation of bioactives and antinutritionals related to diabesity management. International Journal of Food Science and Technology, 2019, 54, 2863-2871.	2.7	19
62	Bulk Atmospheric Deposition in the Southern Po Valley (Northern Italy). Water, Air, and Soil Pollution, 2010, 210, 155-169.	2.4	18
63	Transcriptome Profiling of Wheat Seedlings following Treatment with Ultrahigh Diluted Arsenic Trioxide. Evidence-based Complementary and Alternative Medicine, 2014, 2014, 1-15.	1.2	18
64	Number of succussion strokes affects effectiveness of ultra-high-diluted arsenic on inÂvitro wheat germination and polycrystalline structures obtained by droplet evaporation method. Homeopathy, 2017, 106, 47-54.	1.0	18
65	Effect of Storage Conditions and Time on the Polyphenol Content of Wheat Flours. Processes, 2021, 9, 248.	2.8	18
66	Approximate bilateral symmetry in evaporation-induced polycrystalline structures from droplets of wheat grain leakages and fluctuating asymmetry as quality indicator. Die Naturwissenschaften, 2013, 100, 111-115.	1.6	16
67	Nutritional characteristics of ancient Tuscan varieties of Triticum aestivum L.. Italian Journal of Agronomy, 2016, 11, 237-245.	1.0	16
68	Performance and Nutritional Properties of Einkorn, Emmer and Rivet Wheat in Response to Different Rotational Position and Soil Tillage. Sustainability, 2019, 11, 6304.	3.2	16
69	An Interlaboratory Comparative Study on the Quantitative Determination of Glyphosate at Low Levels in Wheat Flour. Journal of AOAC INTERNATIONAL, 2015, 98, 1760-1768.	1.5	15
70	Responses of blood mononucleated cells and clinical outcome of non-celiac gluten sensitive pediatric patients to various cereal sources: a pilot study. International Journal of Food Sciences and Nutrition, 2017, 68, 1005-1012.	2.8	15
71	Effect of sourdough fermentation and baking process severity on bioactive fiber compounds in immature and ripe wheat flour bread. LWT - Food Science and Technology, 2018, 89, 322-328.	5.2	15
72	Short-Term Hemodynamic Effects of Modern Wheat Products Substitution in Diet with Ancient Wheat Products: A Cross-Over, Randomized Clinical Trial. Nutrients, 2018, 10, 1666.	4.1	14

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73	Characterization of Italian populations ofLoliumspp. resistant and susceptible to diclofop by inter simple sequence repeat. Weed Science, 2004, 52, 554-563.	1.5	12
74	Side effects of the herbicide triasulfuron on collembola under laboratory conditions. Chemosphere, 1998, 37, 2963-2973.	8.2	11
75	The influence of tuber mineral element composition as a function of geographical location on acrylamide formation in different Italian potato genotypes. Journal of the Science of Food and Agriculture, 2010, 90, n/a-n/a.	3.5	11
76	Rediscovering bread quality of â€œoldâ€•Italian wheat (Triticum aestivum L. ssp. aestivum.) through an integrated approach: Physicochemical evaluation and consumersâ€™ perception. LWT - Food Science and Technology, 2020, 122, 109043.	5.2	11
77	GGE Biplot Analysis to Explore the Adaption Potential of Italian Common Wheat Genotypes. Sustainability, 2022, 14, 897.	3.2	10
78	Germination ecology of Ambrosia artemisiifolia L. and Ambrosia trifida L. biotypes suspected of glyphosate resistance. Open Life Sciences, 2013, 8, 286-296.	1.4	9
79	Comparative Evaluation of the Cytotoxicity of Glyphosate-Based Herbicides and Glycine in L929 and Caco2 Cells. Frontiers in Public Health, 2021, 9, 643898.	2.7	9
80	Comparison between capillary and polyacrylamide gel electrophoresis for identification ofLolium species and cultivars. Electrophoresis, 1999, 20, 2524-2532.	2.4	8
81	Agronomic traits and deoxynivalenol contamination of two tetraploid wheat species (Triticum) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Italian Journal of Agronomy, 2014, 9, 127.	1.0	8
82	Quantitative-competitive polymerase chain reaction coupled with slab gel and capillary electrophoresis for the detection of roundup ready soybean and maize. Electrophoresis, 2006, 27, 4029-4038.	2.4	7
83	Response to glyphosate and electrophoretic variation ofCynodon dactylon (L) Pers populations. Pest Management Science, 2000, 56, 327-335.	3.4	6
84	Possible involvement of herbicide sequestration in the resistance to diclofop-methyl in Italian biotypes of Lolium spp.. Pesticide Biochemistry and Physiology, 2005, 81, 1-12.	3.6	6
85	Isolation and Characterization of Wheat Derived Nonspecific Lipid Transfer Protein 2 (nsLTP2). Journal of Food Science, 2018, 83, 1516-1521.	3.1	6
86	Phenolic acids of modern and ancient grains: Effect on in vitro cell model. Journal of the Science of Food and Agriculture, 2020, 100, 4075-4082.	3.5	6
87	A Khorasan wheatâ€based diet improves systemic inflammatory profile in semiâ€professional basketball players: a randomized crossover pilot study. Journal of the Science of Food and Agriculture, 2020, 100, 4101-4107.	3.5	6
88	Electromagnetic Information Transfer (EMIT) by Ultra High Diluted (UHD) solutions: the suggestive hypothesis of an epigenetic action.. International Journal of High Dilution Research, 2012, 11, 113-114.	0.1	5
89	Ultra high diluted arsenic reduces spore germination of Alternaria brassicicola and dark leaf spot in cauliflower. Horticultura Brasileira, 2016, 34, 318-325.	0.5	4
90	Pro-Inflammatory Effect of Gliadins and Glutenins Extracted from Different Wheat Cultivars on an In Vitro 3D Intestinal Epithelium Model. International Journal of Molecular Sciences, 2021, 22, 172.	4.1	4

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91	Integrated environmental quality monitoring around an underground methane storage station. Chemosphere, 2015, 131, 130-138.	8.2	3
92	Health-promoting phytochemicals of stinging nettle (Urtica dioica L.) grown under organic farming in Italian environments. Industrial Crops and Products, 2022, 182, 114903.	5.2	3
93	Diffusion limited component of mitochondrial F1-ATPase. International Journal of Biochemistry & Cell Biology, 1993, 25, 701-706.	0.5	2
94	Protective Effect of Wheat Derived Non-specific lipid-transfer Protein 2 on Vascular Endothelium Inflammation. Journal of Food and Nutrition Research (Newark, Del), 2018, 6, 386-392.	0.3	2
95	Nutritional characterization of Italian common bean landraces (Phaseolus vulgaris L.): fatty acid profiles for â€œgenotype-niche diversityâ€•fingerprints. AIMS Agriculture and Food, 2020, 5, 543-562.	1.6	2
96	Collection of ion-trap mass spectra of sulfonylurea pyrolysis products. Journal of Mass Spectrometry, 1995, 30, 333-338.	1.6	1
97	Genetic structure and mating system of Italian Xanthium strumarium complex. Weed Science, 2003, 51, 69-77.	1.5	1
98	Physiologically Bioactive Compounds of Functional Foods, Herbs, and Dietary Supplements. , 2009, , 239-289.		1
99	Temperature-Associated Effects on Flavonol Content in Field-Grown Phaseolus vulgaris L. Zolfino del Pratomagno. Agronomy, 2020, 10, 682.	3.0	0
100	Assessing the effects of Bt maize on the non-target pest Rhopalosiphum maidis by demographic and life-history measurement endpoints. Bulletin of Entomological Research, 2022, 112, 29-43.	1.0	0