Brigida D'abrosca

List of Publications by Year
in descending order

114 papers	3,213 citations	136740 32 h-index	197535 49 g-index
123 all docs	123 docs citations	123 times ranked	4252 citing authors

#	Article	IF	Citations
1	Evaluation of Morphological, Qualitative, and Metabolomic Traits during Fruit Ripening in Pomegranate (Punica granatum L.). Horticulturae, 2022, 8, 384.	1.2	3
2	Shining the spotlight on NMR metabolic profiling and bioactivities of different solvent extracts of Piliostigma thonningii. Food Bioscience, 2022, 47, 101760.	2.0	1
3	Phloroglucinols from Myrtaceae: attractive targets for structural characterization, biological properties and synthetic procedures. Phytochemistry Reviews, 2021, 20, 259-299.	3.1	27
4	NMR Profiling of Ononis diffusa Identifies Cytotoxic Compounds against Cetuximab-Resistant Colon Cancer Cell Lines. Molecules, 2021, 26, 3266.	1.7	2
5	Chemical Fractionation Joint to In-Mixture NMR Analysis for Avoiding the Hepatotoxicity of Teucrium chamaedrys L. subsp. chamaedrys. Biomolecules, 2021, 11, 690.	1.8	2
6	Phytochemical Characterization of Olea europaea L. Cultivars of Cilento National Park (South Italy) through NMR-Based Metabolomics. Molecules, 2021, 26, 3845.	1.7	3
7	Chemical Characterization and Anti-HIV-1 Activity Assessment of Iridoids and Flavonols from Scrophularia trifoliata. Molecules, 2021, 26, 4777.	1.7	8
8	Biological Insights and NMR Metabolic Profiling of Different Extracts ofSpermacoce verticillata(L.) G. Mey.. Chemistry and Biodiversity, 2021, 18, e2100371.	1.0	3
9	Plant Derived Natural Products against Pseudomonas aeruginosa and Staphylococcus aureus: Antibiofilm Activity and Molecular Mechanisms. Molecules, 2020, 25, 5024.	1.7	54
10	NMR-Based Plant Metabolomics in Nutraceutical Research: An Overview. Molecules, 2020, 25, 1444.	1.7	23
11	Chemical diversity and biological activities of the saponins isolated from Astragalus genus: focus on Astragaloside IV. Phytochemistry Reviews, 2019, 18, 1133-1166.	3.1	10
12	NMRâ€based metabolomics and bioassays to study phytotoxic extracts and putative phytotoxins from Mediterranean plant species. Phytochemical Analysis, 2019, 30, 512-523.	1.2	6
13	Spectroscopic Characterization and Cytotoxicity Assessment towards Human Colon Cancer Cell Lines of Acylated Cycloartane Glycosides from Astragalus boeticus L.. Molecules, 2019, 24, 1725.	1.7	15
14	Lymphocytes exposed to vegetables grown in waters contaminated by anticancer drugs: metabolome alterations and genotoxic risks for human health. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 842, 125-131.	0.9	5
15	Urtica dioica L. inhibits proliferation and enhances cisplatin cytotoxicity in NSCLC cells via Endoplasmic Reticulum-stress mediated apoptosis. Scientific Reports, 2019, 9, 4986.	1.6	15
16	Exploring the halophyte Cistanche phelypaea (L.) Cout as a source of health promoting products: In vitro antioxidant and enzyme inhibitory properties, metabolomic profile and computational studies. Journal of Pharmaceutical and Biomedical Analysis, 2019, 165, 119-128.	1.4	28
17	Antimicrobial and anti-biofilm properties of novel synthetic lignan-like compounds. New Microbiologica, 2019, 42, 21-28.	0.1	11
18	Physiological characterization and quantitative proteomic analyses of metabolically engineered E. coli K4 strains with improved pathways for capsular polysaccharide biosynthesis. Biotechnology and Bioengineering, 2018, 115, 1801-1814.	1.7	15

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19	Metabolomic approach for a rapid identification of natural products with cytotoxic activity against human colorectal cancer cells. Scientific Reports, 2018, 8, 5309.	1.6	33
20	Highlighting the effects of coumarin on adult plants of Arabidopsis thaliana (L.) Heynh. by an integrated -omic approach. Journal of Plant Physiology, 2017, 213, 30-41.	1.6	22
21	Evaluation of different training systems on Annurca apple fruits revealed by agronomical, qualitative and NMR-based metabolomic approaches. Food Chemistry, 2017, 222, 18-27.	4.2	22
22	Evaluation of the antioxidant properties of carexanes in AGS cells transfected with the Helicobacter pylori 's protein HspB. Microbial Pathogenesis, 2017, 108, 71-77.	1.3	9
23	2D-NMR investigation and inÂvitro evaluation of antioxidant, antigenotoxic and estrogenic/antiestrogenic activities of strawberry grape. Food and Chemical Toxicology, 2017, 105, 52-60.	1.8	11
24	Phytochemical study of Helichrysum italicum (Roth) G. Don: Spectroscopic elucidation of unusual amino-phloroguci nols and antimicrobial assessment of secondary metabolites from medium-polar extract. Phytochemistry, 2016, 132, 86-94.	1.4	12
25	Phytochemical investigation and antimicrobial assessment of Bellis sylvestris leaves. Phytochemistry Letters, 2016, 17, 6-13.	0.6	10
26	Chemical constituents and in vitro anti-inflammatory activity of Cistanche violacea Desf. (Orobanchaceae) extract. FÃ¬toterapÃ¬Ã¢, 2016, 109, 248-253.	1.1	27
27	Effects of the allelochemical coumarin on plants and soil microbial community. Soil Biology and Biochemistry, 2016, 95, 30-39.	4.2	52
28	Toxicity and genotoxicity of the quaternary ammonium compound benzalkonium chloride (BAC) using Daphnia magna and Ceriodaphnia dubia as model systems. Environmental Pollution, 2016, 210, 34-39.	3.7	69
29	Chemical Composition and Seasonality of Aromatic Mediterranean Plant Species by NMR-Based Metabolomics. Journal of Analytical Methods in Chemistry, 2015, 2015, 1-9.	0.7	33
30	Structural Elucidation of Saponins. Studies in Natural Products Chemistry, 2015, 45, 85-120.	0.8	4
31	Recent Advances in Natural Product-Based Anti-Biofilm Approaches to Control Infections. Mini-Reviews in Medicinal Chemistry, 2015, 14, 1169-1182.	1.1	47
32	Seasonal phytochemical changes in Phillyrea angustifolia L.: Metabolomic analysis and phytotoxicity assessment. Phytochemistry Letters, 2014, 8, 163-170.	0.6	23
33	Chemical interactions between plants in Mediterranean vegetation: The influence of selected plant extracts on Aegilops geniculata metabolome. Phytochemistry, 2014, 106, 69-85.	1.4	28
34	Two new acylated drimane-type sesquiterpene glucosides from Petrorhagia saxifraga. Phytochemistry Letters, 2014, 7, 46-51.	0.6	1
35	Spectroscopic Characterization of a Pyridine Alkaloid from an Endophytic Strain of the Fusarium incarnatum-equiseti Species Complex. Current Bioactive Compounds, 2014, 10, 196-200.	0.2	1
36	Petrorhagiosides A â€“ D, New Î³â€Pyrone Derivatives from Petrorhagia saxifraga<scp>Link</scp>. Helvetica Chimica Acta, 2013, 96, 1273-1280.	1.0	4

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37	Plant bioassay to assess the effects of allelochemicals on the metabolome of the target species Aegilops geniculata by an NMR-based approach. Phytochemistry, 2013, 93, 27-40.	1.4	34
38	Comment on the paper: â€œSpectroscopic and computational study of the major oxidation products formed during the reaction of two quercetin conformers with a free radicalâ€• Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 116, 651-653.	2.0	2
39	Spectroscopic identification and anti-biofilm properties of polar metabolites from the medicinal plant Helichrysum italicum against Pseudomonas aeruginosa. Bioorganic and Medicinal Chemistry, 2013, 21, 7038-7046.	1.4	41
40	A new acylated flavone glycoside with antioxidant and radical scavenging activities fromTeucrium poliumleaves. Natural Product Research, 2013, 27, 356-363.	1.0	16
41	Plant growth inhibitors: allelopathic role or phytotoxic effects? Focus on Mediterranean biomes. Phytochemistry Reviews, 2013, 12, 803-830.	3.1	67
42	Synthesis and Biological Properties of Caffeic Acid-PNA Dimers Containing Guanine. Molecules, 2013, 18, 9147-9162.	1.7	10
43	Tocopherols, Tocotrienols, and Their Bioactive Analogs. , 2012, , 165-194.		2
44	Trace metals, peroxidase activity, PAHs contents and ecophysiological changes in Quercus ilex leaves in the urban area of Caserta (Italy). Journal of Environmental Management, 2012, 113, 501-509.	3.8	23
45	NMR-based metabolic profiling and in vitro antioxidant and hepatotoxic assessment of partially purified fractions from Golden germander (Teucrium polium L.) methanolic extract. Food Chemistry, 2012, 135, 1957-1967.	4.2	24
46	Polyphenol characterization and antioxidant evaluation of Olea europaea varieties cultivated in Cilento National Park (Italy). Food Research International, 2012, 46, 294-303.	2.9	26
47	Oleanane saponins from Bellis sylvestris Cyr. and evaluation of their phytotoxicity on Aegilops geniculata Roth. Phytochemistry, 2012, 84, 125-134.	1.4	32
48	Mediterranean Wild Plants As Useful Sources of Potential Natural Food Additives. ACS Symposium Series, 2012, , 209-235.	0.5	3
49	A new glucosylated cinnamoyl glycerol from aerial parts of Phleum subulatum. Biochemical Systematics and Ecology, 2012, 42, 79-82.	0.6	0
50	Isolation, distribution and allelopathic effect of caffeic acid derivatives from Bellis perennis L.. Biochemical Systematics and Ecology, 2012, 43, 108-113.	0.6	32
51	Allelopathic potential of alkylphenols from Dactylis glomerata subsp. hispanica (Roth) Nyman. Phytochemistry Letters, 2012, 5, 206-210.	0.6	11
52	Metabolic Profiling of Strawberry Grape (Vitis Ã— labruscana cv. â€˜Isabellaâ€™) Components by Nuclear Magnetic Resonance (NMR) and Evaluation of Their Antioxidant and Antiproliferative Properties. Journal of Agricultural and Food Chemistry, 2011, 59, 7679-7687.	2.4	23
53	Structure elucidation and hepatotoxicity evaluation against HepG2 human cells of neo-clerodane diterpenes from Teucrium polium L.. Phytochemistry, 2011, 72, 2037-2044.	1.4	24
54	An unusual drimane sesquiterpene glucoside from roots of Petrorhagia velutina. Biochemical Systematics and Ecology, 2011, 39, 228-231.	0.6	3

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55	abeo-Abietanes from Teucrium polium roots as protective factors against oxidative stress. Bioorganic and Medicinal Chemistry, 2010, 18, 8530-8536.	1.4	23
56	Structural characterization and radical scavenging activity of monomeric and dimeric cinnamoyl glucose esters from Petrorhagia velutina leaves. Phytochemistry Letters, 2010, 3, 38-44.	0.6	23
57	Antioxidant and antiproliferative activities of phytochemicals from Quince (Cydonia vulgaris) peels. Food Chemistry, 2010, 118, 199-207.	4.2	67
58	Structural discrimination of isomeric tetrahydrofuran lignan glucosides by tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 979-985.	0.7	17
59	A tandem mass spectrometric investigation of the lowâ€energy collisionâ€activated fragmentation of neoâ€clerodane diterpenes. Rapid Communications in Mass Spectrometry, 2010, 24, 1543-1556.	0.7	5
60	Phytotoxic Chlorophyll Derivatives from Petrorhagia velutina (Guss.) Ball et Heyw Leaves. Natural Product Communications, 2010, 5, 1934578X1000500.	0.2	6
61	Bioactive Clerodane Diterpenes from Roots of Carex Distachya. Natural Product Communications, 2010, 5, 1934578X1000501.	0.2	2
62	Spectroscopic Characterization and Antiproliferative Activity on HepG2 Human Hepatoblastoma Cells of Flavonoid C-Glycosides from Petrorhagia velutina. Journal of Natural Products, 2010, 73, 1973-1978.	1.5	48
63	Effects of the Allelochemicals Dihydrodiconiferyl Alcohol and Lariciresinol on Metabolism of Lactuca sativa. The Open Bioactive Compounds Journal, 2010, 3, 18-24.	0.8	9
64	Phytotoxic chlorophyll derivatives from Petrorhagia velutina (Guss.) Ball et Heyw leaves. Natural Product Communications, 2010, 5, 99-102.	0.2	7
65	Bioactive clerodane diterpenes from roots of Carex distachya. Natural Product Communications, 2010, 5, 1539-42.	0.2	5
66	Potential allelopathic effect of neo-clerodane diterpenes from Teucrium chamaedrys (L.) on stenomediterranean and weed cosmopolitan species. Biochemical Systematics and Ecology, 2009, 37, 349-353.	0.6	17
67	Structure determination of chamaedryosides Aâ€"C, three novel norâ€neoâ€clerodane glucosides from Teucrium chamaedrys, by NMR spectroscopy. Magnetic Resonance in Chemistry, 2009, 47, 1007-1012.	1.1	10
68	Kaempferol Glycosides from Lobularia maritima and Their Potential Role in Plant Interactions. Chemistry and Biodiversity, 2009, 6, 204-217.	1.0	25
69	Antioxidant efficacy of iridoid and phenylethanoid glycosides from the medicinal plant Teucrium chamaedris in cell-free systems. Bioorganic and Medicinal Chemistry, 2009, 17, 6173-6179.	1.4	58
70	Megalanthine, a Bioactive Sesquiterpenoid from Heliotropium megalanthum, its Degradation Products and their Bioactivities. Journal of Chemical Ecology, 2009, 35, 39-49.	0.9	13
71	Î´-Tocomonoenol: A new vitamin E from kiwi (Actinidia chinensis) fruits. Food Chemistry, 2009, 115, 187-192.	4.2	69
72	Identification and Assessment of Antioxidant Capacity of Phytochemicals from Kiwi Fruits. Journal of Agricultural and Food Chemistry, 2009, 57, 4148-4155.	2.4	104

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73	Furofuranic glycosylated lignans: a gasâ€phase ion chemistry investigation by tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 3382-3392.	0.7	15
74	Chemical Characterization of New Oxylipins from Cestrum parqui, and Their Effects on Seed Germination and Early Seedling Growth. Chemistry and Biodiversity, 2008, 5, 1780-1791.	1.0	12
75	Carexanes from Carex distachya Desf.: revised stereochemistry and characterization of four novel polyhydroxylated prenylstilbenes. Tetrahedron, 2008, 64, 7782-7786.	1.0	16
76	Potential allelopatic effects of stilbenoids and flavonoids from leaves of Carex distachya Desf.. Biochemical Systematics and Ecology, 2008, 36, 691-698.	0.6	39
77	Phytotoxicity evaluation of five pharmaceutical pollutants detected in surface water on germination and growth of cultivated and spontaneous plants. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 285-294.	0.9	43
78	Isolation and Structure Elucidation of Antioxidant Polyphenols from Quince (Cydonia vulgaris) Peels. Journal of Agricultural and Food Chemistry, 2008, 56, 2660-2667.	2.4	57
79	Antioxidant evaluation of polyhydroxylated nerolidols from redroot pigweed (Amaranthus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	2.5	36
80	Potential Food Additives from Carex distachya Roots: Identification and in Vitro Antioxidant Properties. Journal of Agricultural and Food Chemistry, 2008, 56, 8218-8225.	2.4	51
81	Potential allelopathic interferenceofMelilotus neapolitanametabolites on three coexisting species of Mediterranean herbaceous plant community. Journal of Plant Interactions, 2008, 3, 199-210.	1.0	24
82	Antioxidant Properties of Sour Cherries (Prunus cerasus L.): Role of Colorless Phytochemicals from the Methanolic Extract of Ripe Fruits. Journal of Agricultural and Food Chemistry, 2008, 56, 1928-1935.	2.4	103
83	Reactive Oxygen Species Scavenging Activity of Flavone Glycosides from Melilotus neapolitana. Molecules, 2007, 12, 263-270.	1.7	27
84	Structural Elucidation of a New Aromatic Metabolite from Melilotus Neapolitana and its Potential Allelopathic Effect on Wild Species. Natural Product Communications, 2007, 2, 1934578X0700200.	0.2	0
85	Isolation, Structure Elucidation, and Antioxidant Evaluation of Cydonioside A, an Unusual Terpenoid from the Fruits ofCydonia vulgaris. Chemistry and Biodiversity, 2007, 4, 973-979.	1.0	18
86	Natural feruloyl monoglyceride macrocycles as protecting factors against free-radical damage of lipidic membranes. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 4135-4139.	1.0	10
87	â€˜Limoncellaâ€™ apple, an Italian apple cultivar: Phenolic and flavonoid contents and antioxidant activity. Food Chemistry, 2007, 104, 1333-1337.	4.2	85
88	Lignans, neolignans and sesquilignans from Cestrum parqui l'Her.. Biochemical Systematics and Ecology, 2007, 35, 392-396.	0.6	26
89	Polyphenols from the hydroalcoholic extract of Arbutus unedo living in a monospecific Mediterranean woodland. Biochemical Systematics and Ecology, 2007, 35, 809-811.	0.6	43
90	Natural dibenzoxazepinones from leaves of Carex distachya: Structural elucidation and radical scavenging activity. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 636-639.	1.0	33

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91	Free-Radical-Scavenging and Antioxidant Activities of Secondary Metabolites from Reddened Cv. Annurca Apple Fruits. Journal of Agricultural and Food Chemistry, 2006, 54, 803-809.	2.4	94
92	Spectroscopic Identification and Antioxidant Activity of Glucosylated Carotenoid Metabolites fromCydonia vulgarisFruits. Journal of Agricultural and Food Chemistry, 2006, 54, 9592-9597.	2.4	30
93	Distachyasin: A new antioxidant metabolite from the leaves of Carex distachya. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 6096-6101.	1.0	22
94	Annurcoic acid: A new antioxidant ursane triterpene from fruits of cv. Annurca apple. Food Chemistry, 2006, 98, 285-290.	4.2	61
95	Terpenoids and phenol derivatives from Malva silvestris. Phytochemistry, 2006, 67, 481-485.	1.4	66
96	Structures of bioactive carexanes from the roots of Carex distachya Desf. Phytochemistry, 2006, 67, 971-977.	1.4	26
97	Amarantholidols and amarantholidosides: new nerolidol derivatives from the weed Amaranthus retroflexus. Tetrahedron, 2006, 62, 640-646.	1.0	16
98	Structural elucidation and bioactivity of novel secondary metabolites from Carex distachya. Tetrahedron, 2006, 62, 3259-3265.	1.0	21
99	Unusual sesquiterpene glucosides from Amaranthus retroflexus. Tetrahedron, 2006, 62, 8952-8958.	1.0	32
100	Isolation of Seed Germination and Plant Growth Inhibitors from Mediterranean Plants: Their Potential Use as Herbicides. ACS Symposium Series, 2006, , 24-36.	0.5	3
101	Chemical Constituents of the Aquatic Plant Schoenoplectus lacustris: Evaluation of Phytotoxic Effects on the Green Alga Selenastrum capricornutum. Journal of Chemical Ecology, 2006, 32, 81-96.	0.9	39
102	Isolation and characterization of new lignans from the leaves of Cestrum parqui. Natural Product Research, 2006, 20, 293-298.	1.0	17
103	Structural characterization of phytotoxic terpenoids from Cestrum parqui. Phytochemistry, 2005, 66, 2681-2688.	1.4	39
104	Carexanes: prenyl stilbenoid derivatives from Carex distachya. Tetrahedron Letters, 2005, 46, 5269-5272.	0.7	24
105	Structure Elucidation and Phytotoxicity of Ecdysteroids fromChenopodium album. Chemistry and Biodiversity, 2005, 2, 457-462.	1.0	19
106	Radical-Scavenging Activities of New Hydroxylated Ursane Triterpenes from cv. Annurca Apples. Chemistry and Biodiversity, 2005, 2, 953-958.	1.0	33
107	Isolation, Characterization, and Antioxidant Activity of E- and Z-p-Coumaryl Fatty Acid Esters from cv. Annurca Apple Fruits. Journal of Agricultural and Food Chemistry, 2005, 53, 3525-3529.	2.4	33
108	Chenoalbicin, a Novel Cinnamic Acid Amide Alkaloid fromChenopodium album. Chemistry and Biodiversity, 2004, 1, 1579-1583.	1.0	30

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109	Structure elucidation and phytotoxicity of C13 nor-isoprenoids from Cestrum parqui. Phytochemistry, 2004, 65, 497-505.	1.4	113
110	Low Molecular Weight Phenols from the Bioactive Aqueous Fraction of Cestrum parqui. Journal of Agricultural and Food Chemistry, 2004, 52, 4101-4108.	2.4	36
111	Isolation and Phytotoxicity of Apocarotenoids fromChenopodiumalbum. Journal of Natural Products, 2004, 67, 1492-1495.	1.5	86
112	Cinnamic acid amides from Chenopodium album: effects on seeds germination and plant growth. Phytochemistry, 2003, 64, 1381-1387.	1.4	64
113	Lignans and Neolignans from Brassica fruticulosa:â€‰ Effects on Seed Germination and Plant Growth. Journal of Agricultural and Food Chemistry, 2003, 51, 6165-6172.	2.4	88
114	Potential allelochemicals from Sambucus nigra. Phytochemistry, 2001, 58, 1073-1081.	1.4	63