FranÃ§esc Viladomat

List of Publications by Year
in descending order

116 papers	4,974 citations	76326 40 h-index	110387 64 g-index
121 all docs	121 docs citations	121 times ranked	3935 citing authors

#	Article	IF	Citations
1	Comparison between the Radical Scavenging Activity and Antioxidant Activity of Six Distilled and Nondistilled Mediterranean Herbs and Aromatic Plants. Journal of Agricultural and Food Chemistry, 2002, 50, 6882-6890.	5.2	379
2	Acetylcholinesterase inhibitory activity of some Amaryllidaceae alkaloids and Narcissus extracts. Life Sciences, 2002, 71, 2521-2529.	4.3	276
3	Separation and Characterization of Phenolic Compounds in Fennel (Foeniculum vulgare) Using Liquid Chromatographyâ^'Negative Electrospray Ionization Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2004, 52, 3679-3687.	5.2	198
4	Qualitative analysis of phenolic compounds in apple pomace using liquid chromatography coupled to mass spectrometry in tandem mode. Rapid Communications in Mass Spectrometry, 2004, 18, 553-563.	1.5	147
5	Identification of phenolic compounds in artichoke waste by high-performance liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2003, 1008, 57-72.	3.7	145
6	Antioxidant Activity and Phenolic Composition of Wild, Edible, and Medicinal Fennel from Different Mediterranean Countries. Journal of Agricultural and Food Chemistry, 2008, 56, 1912-1920.	5.2	103
7	Chapter 3 Chemical and Biological Aspects of Narcissus Alkaloids. The Alkaloids Chemistry and Biology, 2006, 63, 87-179.	2.0	102
8	Investigation of Bolivian plant extracts for their radical scavenging activity and antioxidant activity. Life Sciences, 2003, 73, 1667-1681.	4.3	100
9	Bioguided Isolation and Identification of the Nonvolatile Antioxidant Compounds from Fennel (Foeniculum vulgareMill.) Waste. Journal of Agricultural and Food Chemistry, 2004, 52, 1890-1897.	5.2	99
10	Alkaloids from Boophane flava. Phytochemistry, 1995, 40, 307-311.	2.9	95
11	Cytotoxic and Antimalarial Alkaloids fromBrunsvigia littoralis. Planta Medica, 1998, 64, 91-93.	1.3	82
12	Bioactive alkaloids from Brunsvigia radulosa. Phytochemistry, 2000, 53, 587-591.	2.9	82
13	Characterization of acylated flavonoid-O-glycosides and methoxylated flavonoids fromTagetes maximaby liquid chromatography coupled to electrospray ionization tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 2801-2810.	1.5	77
14	Plant Sources of Galanthamine: Phytochemical and Biotechnological Aspects. Biotechnology and Biotechnological Equipment, 2009, 23, 1170-1176.	1.3	76
15	Antioxidant Activity and Phenolic Composition of Lavandin (Lavandula x intermedia Emeric ex) Tj ETQq1 1 0.784314 rgBT /Overlock 1	5.2	66
16	N-Alkylated galanthamine derivatives: Potent acetylcholinesterase inhibitors from Leucojum aestivum. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 2263-2266.	2.2	66
17	A single extraction step in the quantitative analysis of arbutin in bearberry (Arctostaphylos uva-ursi) leaves by high-performance liquid chromatography. Phytochemical Analysis, 2001, 12, 336-339.	2.4	65
18	Rapid TLC/GCâ€MS identification of acetylcholinesterase inhibitors in alkaloid extracts. Phytochemical Analysis, 2008, 19, 411-419.	2.4	63

#	Article	IF	Citations
19	Alkaloids from Narcissus bicolor. Phytochemistry, 1990, 29, 1307-1310.	2.9	62
20	Analysis of phenolic compounds by high-performance liquid chromatography coupled to electrospray ionization tandem mass spectrometry in senescent and water-stressed tobacco. Plant Science, 2012, 182, 71-78.	3.6	61
21	Alkaloids from Narcissus confusus. Phytochemistry, 1987, 26, 1519-1524.	2.9	60
22	Development and validation of a GCâ€“MS method for rapid determination of galanthamine in Leucojum aestivum and Narcissus ssp.: A metabolomic approach. Talanta, 2011, 83, 1455-1465.	5.5	60
23	Chemodiversity, chemotaxonomy and chemoecology of Amaryllidaceae alkaloids. The Alkaloids Chemistry and Biology, 2020, 83, 113-185.	2.0	58
24	Alkaloids from Narcissus angustifolius subsp. transcarpathicus (Amaryllidaceae). Phytochemistry, 2002, 60, 847-852.	2.9	57
25	Alkaloids from Brunsvigia josephinÃ¦. Phytochemistry, 1994, 35, 809-812.	2.9	56
26	Further alkaloids from Brunsvigia josephinae. Phytochemistry, 1995, 40, 961-965.	2.9	54
27	In vitro antiprotozoal activity of alkaloids from Phaedranassa dubia (Amaryllidaceae). Phytochemistry Letters, 2010, 3, 161-163.	1.2	52
28	Bioactive alkaloid extracts from Narcissus broussonetii: Mass spectral studies. Journal of Pharmaceutical and Biomedical Analysis, 2012, 70, 13-25.	2.8	52
29	Callus induction, somatic embryogenesis and organogenesis in Narcissus confusus : correlation between the state of differentiation and the content of galanthamine and related alkaloids. Plant Cell Reports, 1999, 18, 646-651.	5.6	51
30	Crinane and Lycorane Type Alkaloids from Zephyranthes citrina. Planta Medica, 2001, 67, 191-193.	1.3	51
31	Metabolic profiling of bioactive Pancratium canariense extracts by GCâ€MS. Phytochemical Analysis, 2010, 21, 80-88.	2.4	51
32	Phytochemical differentiation of Galanthus nivalis and Galanthus elwesii (Amaryllidaceae): A case study. Biochemical Systematics and Ecology, 2008, 36, 638-645.	1.3	50
33	Augustamine type alkaloids from Crinum kirkii. Phytochemistry, 2004, 65, 3143-3149.	2.9	49
34	Alkaloids from Crinum macowanii. Phytochemistry, 2000, 54, 945-950.	2.9	46
35	Analysis of galanthamineâ€type alkaloids by capillary gas chromatographyâ€“mass spectrometry in plants. Phytochemical Analysis, 2008, 19, 285-293.	2.4	46
36	Title is missing!. Plant Cell, Tissue and Organ Culture, 1997, 49, 129-136.	2.3	45

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37	Development and validation of a high-performance liquid chromatographic method for the analysis of antioxidative phenolic compounds in fennel using a narrow bore reversed phase C18 column. Analytica Chimica Acta, 2004, 512, 271-280.	5.4	45
38	Metabolomic analysis of bioactive Amaryllidaceae alkaloids of ornamental varieties of Narcissus by GCâ€“MS combined with k-means cluster analysis. Industrial Crops and Products, 2014, 56, 211-222.	5.2	44
39	Phenanthridine alkaloids from Narcissus assoanus. Phytochemistry, 1986, 25, 2637-2638.	2.9	42
40	Alkaloids from Crinum delagoense1Part 6 in the series â€œAlkaloids from South African Amaryllidaceaeâ€. For part 5 see ref.[1].1. Phytochemistry, 1998, 49, 2539-2543.	2.9	42
41	Antiprotozoal alkaloids from Galanthus trojanus. Phytochemistry Letters, 2011, 4, 301-305.	1.2	42
42	Supercritical carbon dioxide extraction of colchicine and related alkaloids from seeds of Colchicum autumnale L.. Phytochemical Analysis, 2003, 14, 164-169.	2.4	41
43	Investigation of Lepechinia graveolens for its antioxidant activity and phenolic composition. Journal of Ethnopharmacology, 2004, 94, 175-184.	4.1	41
44	Alkaloid Diversity in Galanthus elwesii and Galanthus nivalis. Chemistry and Biodiversity, 2011, 8, 115-130.	2.1	40
45	Acylated quercetagetin glycosides with antioxidant activity from Tagetes maxima. Phytochemistry, 2005, 66, 2356-2362.	2.9	39
46	Alkaloids of the South African Amaryllidaceae: A Review. Natural Product Communications, 2013, 8, 1934578X1300800.	0.5	39
47	Improved Production of Galanthamine and Related Alkaloids by Methyl Jasmonate inNarcissus confususShoot-Clumps. Planta Medica, 2004, 70, 1180-1188.	1.3	38
48	Alkaloids from. Phytochemistry, 2005, 66, 373-382.	2.9	37
49	Alkaloid Constituents of the Amaryllidaceae Plant Amaryllis belladonna L. Molecules, 2017, 22, 1437.	3.8	37
50	Alkaloid Variability in Leucojum aestivum from Wild Populations. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2007, 62, 627-635.	1.4	36
51	Alkaloids from Galanthus nivalis. Phytochemistry, 2007, 68, 1791-1798.	2.9	36
52	Daffodils as potential crops of galanthamine. Assessment of more than 100 ornamental varieties for their alkaloid content and acetylcholinesterase inhibitory activity. Industrial Crops and Products, 2013, 43, 237-244.	5.2	36
53	Antiproliferative Alkaloids from Crinum zeylanicum. Phytotherapy Research, 2011, 25, 1686-1692.	5.8	35
54	Revised NMR data for Incartine: an Alkaloid from Galanthus elwesii. Molecules, 2007, 12, 1430-1435.	3.8	33

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55	Alkaloids from Cyrtanthus elatus. FÃ¬toterapÃ¬Ã¢, 2001, 72, 444-448.	2.2	32
56	Narcissus Alkaloids, XIII. Complete Assignment of the Nmr Spectra of Papyramine and 6-epi-Papyramine by Two-Dimensional Nmr Spectroscopy. Journal of Natural Products, 1990, 53, 1456-1462.	3.0	31
57	Alkaloids from Hippeastrum papilio. Molecules, 2011, 16, 7097-7104.	3.8	31
58	Solid-phase extraction and reversed-phase high-performance liquid chromatography of the five major alkaloids inNarcissus confusus. Phytochemical Analysis, 2002, 13, 311-315.	2.4	30
59	A dinitrogenous alkaloid from Cyrtanthus obliquus. Phytochemistry, 2002, 61, 443-447.	2.9	30
60	Anti-Human Immunodeficiency Virus Type 1 (HIV-1) Activity of Lectins fromNarcissusSpecies. Planta Medica, 2003, 69, 109-112.	1.3	30
61	Alkaloids from Narcissus serotinus. Journal of Natural Products, 2012, 75, 1643-1647.	3.0	30
62	Crinine-type alkaloids from Hippeastrum aulicum and H. calyptratum. Phytochemistry, 2014, 103, 188-195.	2.9	29
63	Alkaloids from Brunsvigia orientalis. Phytochemistry, 1996, 43, 1379-1384.	2.9	28
64	Alkaloids from Ammocharis tinneana. Phytochemistry, 1999, 51, 1185-1191.	2.9	28
65	GCâ€MS of amaryllidaceous galanthamineâ€type alkaloids. Journal of Mass Spectrometry, 2012, 47, 1065-1073.	1.6	28
66	Narcissus Alkaloids, III. 9-O-Demethylhomolycorine from Narcissus confusus. Journal of Natural Products, 1987, 50, 199-202.	3.0	26
67	Alkaloids from Eucharis amazonica (Amaryllidaceae).. Chemical and Pharmaceutical Bulletin, 2003, 51, 315-317.	1.3	26
68	Alkaloids from Narcissus cv. Salome. Phytochemistry, 1996, 43, 1375-1378.	2.9	25
69	Narcissus Alkaloids, XIV. (+)-8-O-Acetylhomolycorine and Vasconine, Two Novel Alkaloids from Narcissus vasconicus. Journal of Natural Products, 1992, 55, 122-125.	3.0	24
70	Cytotoxic Agents of the Crinane Series of Amaryllidaceae Alkaloids. Natural Product Communications, 2012, 7, 1934578X1200701.	0.5	24
71	Alkaloids from Narcissus muÃ±ozii-garmendiÃ¦. Phytochemistry, 1993, 32, 1354-1356.	2.9	23
72	Changes in apolar metabolites during in vitro organogenesis of Pancratium maritimum. Plant Physiology and Biochemistry, 2010, 48, 827-835.	5.8	23

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73	Acetylcholinesterase-inhibiting Alkaloids from Zephyranthes concolor. Molecules, 2011, 16, 9520-9533.	3.8	23
74	The Brazilian Amaryllidaceae as a source of acetylcholinesterase inhibitory alkaloids. Phytochemistry Reviews, 2016, 15, 147-160.	6.5	23
75	Hippeastrum reticulatum (Amaryllidaceae): Alkaloid Profiling, Biological Activities and Molecular Docking. Molecules, 2017, 22, 2191.	3.8	23
76	Two alkaloids from Narcissus requienii. Phytochemistry, 1986, 25, 1453-1459.	2.9	22
77	Alkaloids from Narcissus leonensis. Phytochemistry, 1993, 34, 1656-1658.	2.9	22
78	Seasonal and spatial variations of alkaloids in Merendera montana in relation to chemical defense and phenology. Journal of Chemical Ecology, 2003, 29, 1117-1126.	1.8	22
79	Alkaloids from Galanthus rizehensis. Phytochemistry Letters, 2012, 5, 367-370.	1.2	21
80	N-oxide alkaloids from Crinum amabile (Amaryllidaceae). Molecules, 2018, 23, 1277.	3.8	20
81	Narcissus Alkaloids, VIII. Mesembrenone: An Unexpected Alkaloid From Narcissus Pallidulus. Journal of Natural Products, 1989, 52, 478-480.	3.0	19
82	Alkaloids from Narcissus tortuosus. Phytochemistry, 1995, 38, 549-551.	2.9	19
83	Occurrence of colchicine derivatives in plants of the genus Androcymbium. Biochemical Systematics and Ecology, 2003, 31, 715-722.	1.3	19
84	Three New Alkaloids fromGalanthus nivalisandGalanthus elwesii. Planta Medica, 2009, 75, 1351-1355.	1.3	19
85	Alkaloids from Sternbergia colchiciflora. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2009, 64, 311-316.	1.4	19
86	Narcissus Alkaloids, XV. Roserine from Narcissus pallidulus. Journal of Natural Products, 1992, 55, 134-136.	3.0	18
87	New Alkaloids from Hippeastrum papilio (R<scp>avenna</scp>) V<scp>an</scp> S<scp>cheepen</scp>. Helvetica Chimica Acta, 2016, 99, 143-147.	1.6	18
88	Ontogenic variations in the alkaloids of Narcissus assoanus. Physiologia Plantarum, 1986, 68, 657-661.	5.2	17
89	Narcissus Alkaloids, XVII. Obesine, a Novel Alkaloid from Narcissus, obesus. Journal of Natural Products, 1992, 55, 804-806.	3.0	17
90	Galanthamine Pattern inNarcissus confususPlants. Planta Medica, 2003, 69, 1166-1168.	1.3	17

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91	A heterodimer alkaloid from Narcissus pallidiflorus. Phytochemistry, 1990, 29, 2685-2687.	2.9	16
92	Two New Alkaloids from Narcissus serotinus L.. Molecules, 2010, 15, 7083-7089.	3.8	15
93	Alkaloids fromBehria tenuiflora. Planta Medica, 1996, 62, 575-577.	1.3	14
94	Alkaloids from Narcissus bujei (Amaryllidaceae)1Part 25 in the series â€œNarcissus alkaloidsâ€. For part 24 see Viladomat et al., 1997 [Viladomat, F., SellÃ©s, M., Codina, C. and Bastida, J., Planta Medica, 1997, 63, 583.].1. Phytochemistry, 1999, 50, 183-188.	2.9	14
95	The geographic isolation of Leucojum aestivum populations leads to divergation of alkaloid biosynthesis. Biochemical Systematics and Ecology, 2013, 46, 152-161.	1.3	14
96	Alkaloids fromCrinum stuhlmannii. Planta Medica, 1998, 64, 679-680.	1.3	13
97	Mass propagation of Cyrtanthus clavatus and Cyrtanthus spiralis using liquid medium culture. Scientia Horticulturae, 2003, 98, 49-60.	3.6	13
98	9-O-Demethyl-2Î±-hydroxyhomolycorine, an alkaloid from Narcissus tortifolius. Phytochemistry, 1990, 29, 2683-2684.	2.9	12
99	Wild daffodils of the section Ganymedes from the Iberian Peninsula as a source of mesembrane alkaloids. Phytochemistry, 2013, 95, 384-393.	2.9	12
100	Biodiversity of Mannose-Specific Lectins within Narcissus Species. Journal of Agricultural and Food Chemistry, 2002, 50, 2507-2513.	5.2	11
101	Alkaloid Screening of Catalonia (Spain) Plants, I.. Journal of Natural Products, 1984, 47, 64-69.	3.0	10
102	Alkaloid Screening of Plants of Catalonia (Spain) III. International Journal of Crude Drug Research, 1986, 24, 123-130.	0.3	10
103	Dubiusine from Narcissus dubius. Phytochemistry, 1988, 27, 3657-3660.	2.9	10
104	2d Nmr Studies of Lycorenine As A Model For the Structural Assignment of Lycorenine-Type Alkaloids. Natural Product Research, 1992, 1, 85-92.	0.4	10
105	Alkaloids from Crinum erubescens Aiton. Arabian Journal of Chemistry, 2016, 9, 688-693.	4.9	10
106	GCâ€“MS of some lycorineâ€type Amaryllidaceae alkaloids. Journal of Mass Spectrometry, 2021, 56, e4704.	1.6	9
107	Alkaloid Screening of Catalonia (Spain) Plants. II. International Journal of Crude Drug Research, 1985, 23, 105-117.	0.3	7
108	Variation of the Arbutin Content in Different Wild Populations of Arctostaphylos uva-ursi in Catalonia, Spain. Journal of Herbs, Spices and Medicinal Plants, 2002, 9, 329-333.	1.1	7

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109	Analysis of Bioactive Amaryllidaceae Alkaloid Profiles in Lycoris Species by GC-MS. Natural Product Communications, 2014, 9, 1934578X1400900.	0.5	7
110	Free amino acids and alkaloid content in snapdragon plants grown with nitrate, urea or ammonium nutrition. Journal of Plant Nutrition, 1988, 11, 1-15.	1.9	4
111	Screening of Higher Fungi from Catalonia for Alkaloids-II. International Journal of Crude Drug Research, 1987, 25, 129-132.	0.3	3
112	Ismine. Acta Crystallographica Section C: Crystal Structure Communications, 1998, 54, 81-82.	0.4	3
113	Cytotoxic Agents of the Crinane Series of Amaryllidaceae Alkaloids. Natural Product Communications, 2013, 8, 1934578X1300800.	0.5	3
114	General Overview of Plant Secondary Metabolism. , 2015, , 539-568.		3
115	Screening of Higher Fungi from Catalonia for Alkaloids-I. International Journal of Crude Drug Research, 1987, 25, 120-124.	0.3	2
116	Analysis of Polyamines Conjugated with Hydroxycinnamoyl Acids by High-Performance Liquid Chromatography Coupled to Electrospray Ionization Tandem Mass Spectrometry. Methods in Molecular Biology, 2018, 1694, 95-104.	0.9	1