Pinarosa Avato

List of Publications by Year
in descending order

103	3,063	136740	197535
papers	citations	32 h-index	49 g-index

105	105	105	3433
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rare fatty acids and lipids in plant oilseeds: occurrence and bioactivity. Phytochemistry Reviews, 2022, 21, 401-428.	3.1	13
2	Biologically active compounds from forage plants. Phytochemistry Reviews, 2022, 21, 471-501.	3.1	8
3	Phytochemical and biological characterization of dry outer scales extract from Tropea red onion (Allium cepa L. var. Tropea)â€“A promising inhibitor of pancreatic lipase. Phytomedicine Plus, 2022, 2, 100235.	0.9	9
4	Editorial to the special issue: â€œPhytochemicals in nutrition and health: advances and challengesâ€• Phytochemistry Reviews, 2022, , 1-4.	3.1	1
5	Chemical Identification of Specialized Metabolites from Sulla (Hedysarum coronarium L.) Collected in Southern Italy. Molecules, 2021, 26, 4606.	1.7	12
6	Chemical Composition and Nematicidal Properties of Sixteen Essential Oilsâ€”A Review. Plants, 2021, 10, 1368.	1.6	13
7	Nematicidal Activity of Essential Oil from Lavandin (Lavandula Ã— intermedia Emeric ex Loisel.) as Related to Chemical Profile. Molecules, 2021, 26, 6448.	1.7	7
8	Relationship between Chemical Composition and Nematicidal Activity of Different Essential Oils. Plants, 2020, 9, 1546.	1.6	16
9	Identification of the Volatile Components of Galium verum L. and Cruciata leavipes Opiz from the Western Italian Alps. Molecules, 2020, 25, 2333.	1.7	8
10	Nematicidal activity of Echinacea species on the root-knot nematode Meloidogyne incognita. Journal of Pest Science, 2020, 93, 1397-1410.	1.9	7
11	Editorial to the Special Issueâ€“â€œNatural Products and Drug Discoveryâ€• Molecules, 2020, 25, 1128.	1.7	7
12	Polyphenol content and bioactivity of Achillea moschata from the Italian and Swiss Alps. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2020, 75, 57-64.	0.6	11
13	Lobularia maritima (L.) Desv. Aerial Parts Methanolic Extract: In Vitro Screening of Biological Activity. Plants, 2020, 9, 89.	1.6	13
14	Activity of Saponins from Medicago Species against Phytoparasitic Nematodes. Plants, 2020, 9, 443.	1.6	26
15	Triterpenic saponins from Medicago marina L. Phytochemistry, 2020, 174, 112333.	1.4	9
16	Quality Assessment of Commercial Spagyric Tinctures of Harpagophytum procumbens and Their Antioxidant Properties. Molecules, 2019, 24, 2251.	1.7	9
17	Nematotoxic activity of essential oils from Monarda species. Journal of Pest Science, 2018, 91, 1115-1125.	1.9	36
18	Plant biodiversity: phytochemicals and health. Phytochemistry Reviews, 2018, 17, 645-656.	3.1	3

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19	Glucosinolate profile of Eruca sativa, Diplotaxis tenuifolia and Diplotaxis erucoides grown in soil and soilless systems. Journal of Food Composition and Analysis, 2018, 69, 197-204.	1.9	42
20	Phytochemical and Biological Profile of Moricandia arvensis (L.) DC.: An Inhibitor of Pancreatic Lipase. Molecules, 2018, 23, 2829.	1.7	29
21	Nematicidal potential of Taraxacum officinale. Environmental Science and Pollution Research, 2018, 25, 30056-30065.	2.7	4
22	Artefact formation during acid hydrolysis of saponins from Medicago spp.. Phytochemistry, 2017, 138, 116-127.	1.4	26
23	Artemisia annua compounds have potential to manage root-knot and potato cyst nematodes. Industrial Crops and Products, 2017, 108, 195-200.	2.5	13
24	Nematicidal activity of essential oils from aromatic plants of Morocco. Journal of Pest Science, 2017, 90, 711-722.	1.9	49
25	Bergamot Essential Oil Attenuates Anxiety-Like Behaviour in Rats. Molecules, 2017, 22, 614.	1.7	50
26	Activity of Saponins from Medicago species Against HeLa and MCF-7 Cell Lines and their Capacity to Potentiate Cisplatin Effect. Anti-Cancer Agents in Medicinal Chemistry, 2017, 17, 1508-1518.	0.9	24
27	Compositional Analysis of Lavandula pinnata Essential Oils. Natural Product Communications, 2016, 11, 1934578X1601100.	0.2	1
28	Chemical Profile, Antioxidant and Antibacterial Activities of Achillea moschata Wulfen, an Endemic Species from the Alps. Molecules, 2016, 21, 830.	1.7	28
29	Inhibitory Effect on Lipid Absorption and Variability of Chemical Constituents from Capparis sicula subsp. sicula and Capparis orientalis. Chemistry and Biodiversity, 2016, 13, 755-761.	1.0	8
30	Essential oils as soil biofumigants for the control of the root-knot nematodeMeloidogyne incognitaon tomato. Annals of Applied Biology, 2015, 167, 217-224.	1.3	33
31	Phytochemical analysis of Passiflora loefgrenii Vitta, a rich source of luteolin-derived flavonoids with antioxidant properties. Journal of Pharmacy and Pharmacology, 2015, 67, 1603-1612.	1.2	10
32	Cell wall integrity, genotoxic injury and PCD dynamics in alfalfa saponin-treated white poplar cells highlight a complex link between molecule structure and activity. Phytochemistry, 2015, 111, 114-123.	1.4	10
33	CYP72A67 Catalyzes a Key Oxidative Step in Medicago truncatula Hemolytic Saponin Biosynthesis. Molecular Plant, 2015, 8, 1493-1506.	3.9	67
34	Brassicaceae: a rich source of health improving phytochemicals. Phytochemistry Reviews, 2015, 14, 1019-1033.	3.1	105
35	Biocide plants as a sustainable tool for the control of pests and pathogens in vegetable cropping systems. Italian Journal of Agronomy, 2014, 9, 137.	0.4	34
36	Triterpenoid Glycosides from Medicago sativa as Antifungal Agents against Pyricularia oryzae. Journal of Agricultural and Food Chemistry, 2014, 62, 11030-11036.	2.4	42

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37	Analysis of Cyanolipids from Sapindaceae Seed Oils by Gas Chromatographyâ€“Elâ€Mass Spectrometry. Lipids, 2014, 49, 335-345.	0.7	6
38	White Poplar (Populus alba L.) Suspension Cultures as a Model System to Study Apoptosis Induced by Alfalfa Saponins. Anti-Cancer Agents in Medicinal Chemistry, 2014, 14, 1324-1331.	0.9	8
39	Nematicidal potential of Brassicaceae. Phytochemistry Reviews, 2013, 12, 791-802.	3.1	59
40	Nematicidal potential of Artemisia annua and its main metabolites. European Journal of Plant Pathology, 2013, 137, 295-304.	0.8	31
41	Carvacrol: From Ancient Flavoring to Neuromodulatory Agent. Molecules, 2013, 18, 6161-6172.	1.7	94
42	A Comparison of Headspace Solidâ€phase Microextraction and Classic Hydrodistillation for the Identification of Volatile Constituents from Thapsia spp. Provides Insights into Guaianolide Biosynthesis in Apiaceae. Phytochemical Analysis, 2012, 23, 44-51.	1.2	38
43	Bioactive compounds from Capparis spinosa subsp. rupestris. Industrial Crops and Products, 2012, 36, 65-69.	2.5	42
44	Phytochemical analysis of a herbal tea from Artemisia annua L.. Journal of Pharmaceutical and Biomedical Analysis, 2012, 62, 79-86.	1.4	67
45	Triterpenoid Glycosides from the Leaves of Two Cultivars of Medicago polymorpha L.. Journal of Agricultural and Food Chemistry, 2011, 59, 6142-6149.	2.4	34
46	Glucosinolates Profile of â€œMugnoloâ€, a Variety ofBrassica oleraceaL. Native to Southern Italy (Salento). Planta Medica, 2011, 77, 287-292.	0.7	21
47	Cell death induction and nitric oxide biosynthesis in white poplar (Populus alba) suspension cultures exposed to alfalfa saponins. Physiologia Plantarum, 2011, 141, 227-238.	2.6	26
48	Estrous cycle affects the neurochemical and neurobehavioral profile of carvacrol-treated female rats. Toxicology and Applied Pharmacology, 2011, 255, 169-175.	1.3	29
49	Biosynthesis of saponins in the genus Medicago. Phytochemistry Reviews, 2011, 10, 459-469.	3.1	55
50	Control of plant parasitic nematodes with active saponins and biomass from Medicago sativa. Phytochemistry Reviews, 2011, 10, 503-519.	3.1	79
51	Unraveling the response of plant cells to cytotoxic saponins. Plant Signaling and Behavior, 2011, 6, 516-519.	1.2	14
52	Essential oils, genetic relationships and in vitro establishment of Helichrysum italicum (Roth) G. Don ssp. italicum from wild Mediterranean germplasm. Industrial Crops and Products, 2010, 32, 639-649.	2.5	72
53	Glands, essential oils and in vitro establishment of Helichrysum italicum (Roth) G. Don ssp. microphyllum (Willd.) Nyman. Industrial Crops and Products, 2009, 29, 395-403.	2.5	41
54	Nematicidal potential of materials from Medicago spp.. European Journal of Plant Pathology, 2009, 125, 39-49.	0.8	22

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55	New Triterpenic Saponins from the Aerial Parts of Medicago arabica (L.) Huds. Journal of Agricultural and Food Chemistry, 2009, 57, 2826-2835.	2.4	41
56	Plant development and synthesis of essential oils in micropropagated and mycorrhiza inoculated plants of Origanum vulgare L. ssp. hirtum (Link) Ietswaart. Plant Cell, Tissue and Organ Culture, 2008, 93, 139-149.	1.2	64
57	Evaluation of nematicidal properties of saponins from Medicago spp.. European Journal of Plant Pathology, 2008, 120, 189-197.	0.8	55
58	GLANDULAR HAIRS AND ESSENTIAL OILS IN MICROPROPAGATED PLANTS OF ORIGANUM VULGARE L.. Acta Horticulturae, 2006, , 293-296.	0.1	2
59	Chemical and Biological Activity of Triterpene Saponins from Medicago Species. Natural Product Communications, 2006, 1, 1934578X0600101.	0.2	32
60	Characterization of Seed Oil Components from Nephelium Lappaceum L. Natural Product Communications, 2006, 1, 1934578X0600100.	0.2	3
61	Antimicrobial activity of saponins fromMedicago sp.: structure-activity relationship. Phytotherapy Research, 2006, 20, 454-457.	2.8	178
62	Cyanolipid-rich seed oils from Allophylus natalensis and A. dregeanus. Lipids, 2005, 40, 1051-1056.	0.7	11
63	Triterpenoid Glycosides from Leaves ofMedicago arboreaL.. Journal of Agricultural and Food Chemistry, 2005, 53, 9954-9965.	2.4	47
64	A Survey on the Hypericum Genus: Secondary Metabolites and Bioactivity. Studies in Natural Products Chemistry, 2005, 30, 603-634.	0.8	66
65	Glandular hairs and essential oils in micropropagated plants of Salvia officinalis L.. Plant Science, 2005, 169, 29-36.	1.7	80
66	Characterization of Chromosomes and Genome Organization of Thapsia Garganica L. by Localizations of rRNA Genes using Fluorescent in Situ Hybridization. Hereditas, 2004, 129, 231-239.	0.5	8
67	Extracts from St John's wort and their antimicrobial activity. Phytotherapy Research, 2004, 18, 230-232.	2.8	80
68	Essential oils ofVarthemia iphionoides from Jordan. Flavour and Fragrance Journal, 2004, 19, 559-561.	1.2	24
69	Determination of Major Constituents in St. John's Wort Under Different Extraction Conditions. Pharmaceutical Biology, 2004, 42, 83-89.	1.3	29
70	Seed oil composition of Paullinia cupana var. sorbilis (Mart.) Ducke. Lipids, 2003, 38, 773-780.	0.7	28
71	Metabolites in cell suspension cultures, calli, and in vitro regenerated organs of Hypericum perforatum cv. Topas. Plant Science, 2003, 165, 977-982.	1.7	98
72	Essential Oils from the Roots ofThapsia garganicaL.. Journal of Essential Oil Research, 2002, 14, 20-22.	1.3	11

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73	The genus Thapsia as a source of petroselinic acid. Lipids, 2001, 36, 845-850.	0.7	23
74	Allylsulfide constituents of garlic volatile oil as antimicrobial agents. Phytomedicine, 2000, 7, 239-243.	2.3	118
75	A Piperitenone Oxide Chemotype of Mentha longifolia (L.) Huds. Growing Wild in Jordan. Journal of Essential Oil Research, 2000, 12, 530-532.	1.3	17
76	Composition of the Essential Oils from the Roots ofThapsia maximaMiller andT. villosaL.. Journal of Essential Oil Research, 2000, 12, 303-309.	1.3	10
77	Essential oil composition ofMentha xpiperita L. from different environments of north India. Flavour and Fragrance Journal, 1999, 14, 5-8.	1.2	18
78	Effect of Thapsia Essential Oils on Bile Composition in Rats. Pharmaceutical Biology, 1998, 36, 335-340.	1.3	3
79	Antimicrobial Activity of Polyacetylenes fromBellis perennisand their Synthetic Derivatives. Planta Medica, 1997, 63, 503-507.	0.7	47
80	Essential oils from fruits of three types of Thapsia villosa. Phytochemistry, 1996, 43, 609-612.	1.4	20
81	Composition of the Essential Oils of Fruits from Polyploid Types ofThapsia villosaL.: Chemotaxonomic Evaluation. Journal of Essential Oil Research, 1996, 8, 123-128.	1.3	13
82	Acetylenes and terpenoids of Bellis perennis. Phytochemistry, 1995, 40, 141-147.	1.4	27
83	Cholertic activity ofThapsia chem I, II, and III in rats: Comparison with terpenoid constituents and peppermint oil. Phytotherapy Research, 1994, 8, 305-307.	2.8	19
84	Localization of the Acyl Groups in Proazulene Guaianolides from Thapsia transtagana and Thapsia garganica. Journal of Natural Products, 1993, 56, 411-415.	1.5	18
85	Chemotaxonomy ofThapsia maximaMiller. Constituents of the Essential Oil of the Fruits. Journal of Essential Oil Research, 1992, 4, 467-473.	1.3	19
86	Essential Oil ofThapsia garganica. Planta Medica, 1991, 57, 585-586.	0.7	14
87	Chemosystematics of surface lipids from maize and some related species. Phytochemistry, 1990, 29, 1571-1576.	1.4	45
88	Aliphatic and cyclic lipid components of Sorghum plant organs. Phytochemistry, 1990, 29, 1073-1078.	1.4	36
89	New Proazulene Guaianolides from Thapsia villosa. Journal of Natural Products, 1990, 53, 1479-1484.	1.5	22
90	Epicuticular Waxes of Zea Mays ssp. Mays and Related Species. , 1989, , 275-276.		0

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91	CGC-MS determination of mixtures of long chain aliphatic esters. Journal of High Resolution Chromatography, 1987, 10, 594-597.	2.0	5
92	Epicuticular waxes of maize as affected by the interaction of mutantgl8 withgl3, gl4 andgl15. Lipids, 1987, 22, 11-16.	0.7	14
93	Ontogenetic Variations in the Chemical Composition of Maize Surface Lipids. , 1987, , 549-551.		4
94	Absence of long chain aldehydes in the wax of the Glossy II mutant of maize. Phytochemistry, 1985, 24, 1995-1997.	1.4	15
95	Effect of Trichloroacetic Acid on Wax Composition of Normal and Mutant Maize (Zea mays L.). Journal of Experimental Botany, 1984, 35, 245-251.	2.4	10
96	Epicuticular waxes of Sorghum and some compositional changes with plant age. Phytochemistry, 1984, 23, 2843-2846.	1.4	31
97	Synthesis of wax esters by a cell-free system from barley (Hordeum vulgare L.). Planta, 1984, 162, 487-494.	1.6	5
98	Synthesis of epicuticular primary alcohols and intracellular fatty acids by tissue slices fromcer-j 59 barley leaves. Carlsberg Research Communications, 1982, 47, 377-390.	1.7	18
99	Epicuticular waxes of albino maize. Phytochemistry, 1982, 21, 129-131.	1.4	9
100	Effect of inhibitors on synthesis of fatty acyl chains present in waxes on developing maize leaves. Carlsberg Research Communications, 1980, 45, 329-347.	1.7	13
101	Glossy mutants of maize. Heredity, 1979, 42, 391-395.	1.2	29
102	Glossy mutants of maize. VIII. Accumulation of fatty aldehydes in surface waxes of gl5 maize seedlings. Biochemical Genetics, 1978, 16, 1015-1021.	0.8	26
103	Epicuticular waxes of two sorghum varieties. Phytochemistry, 1978, 17, 999-1001.	1.4	37