Luigi Milella

List of Publications by Year in descending order

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Version: 2024-02-01

115 papers	2,815 citations	172457 29 h-index	233421 45 g-index
116 all docs	116 docs citations	116 times ranked	4294 citing authors

#	Article	IF	CITATIONS
1	Advances and challenges in cancer treatment and nutraceutical prevention: the possible role of dietary phenols in BRCA regulation. Phytochemistry Reviews, 2022, 21, 385-400.	6.5	7
2	DittrichiaÂgraveolens (L.) Greuter, a Rapidly Spreading Invasive Plant: Chemistry and Bioactivity. Molecules, 2022, 27, 895.	3.8	6
3	The crystal structure of (4 <i>SR</i>)-7-(3,4-dichlorobenzyl)-4,8,8-trimethyl-7,8-dihydroimidazo[5,1 <i>c</i>)[1,2,4]triazine-3,6(2 <i>H</i> C ₁₅ H ₁₆ Cl ₂ N ₄ O ₂ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2022, 237, 319-321.	,4 <i>H<td>>)-dione,</td></i>	>)-dione,
4	Insights into the leaves of Ceriscoides campanulata: Natural proanthocyanidins alleviate diabetes, inflammation, and esophageal squamous cell cancer via in vitro and in silico models. Fìtoterapìâ, 2022, 158, 105164.	2.2	3
5	New Insight on the Bioactivity of Solanum aethiopicum Linn. Growing in Basilicata Region (Italy): Phytochemical Characterization, Liposomal Incorporation, and Antioxidant Effects. Pharmaceutics, 2022, 14, 1168.	4.5	6
6	Nanotechnological exploitation of the antioxidant potential of Humulus lupulus L. extract. Food Chemistry, 2022, 393, 133401.	8.2	6
7	The Beneficial Effects of Red Sunâ€Dried <i>Capsicum annuum</i> L. Cv Senise Extract with Antioxidant Properties in Experimental Obesity are Associated with Modulation of the Intestinal Microbiota. Molecular Nutrition and Food Research, 2021, 65, e2000812.	3.3	10
8	Orchard biomass residues: Chemical composition, biological activity and wood characterization of apricot tree (<scp><i>Prunus armeniaca</i></scp> L.). Biofuels, Bioproducts and Biorefining, 2021, 15, 377-391.	3.7	5
9	Preserving Biodiversity as Source of Health Promoting Compounds: Phenolic Profile and Biological Activity of Four Varieties of Solanum lycopersicum L Plants, 2021, 10, 447.	3.5	4
10	The Promising Ability of Humulus lupulus L. Iso-α-acids vs. Diabetes, Inflammation, and Metabolic Syndrome: A Systematic Review. Molecules, 2021, 26, 954.	3.8	12
11	Effect of Quercetin on ABCC6 Transporter: Implication in HepG2 Migration. International Journal of Molecular Sciences, 2021, 22, 3437.	4.1	5
12	Identification and Functional Characterization of Plant Toxins. Toxins, 2021, 13, 228.	3.4	1
13	Effect of Quercetin on ABCC6 Transporter: Implication in HepG2 Migration. International Journal of Molecular Sciences, 2021, 22, 3871.	4.1	8
14	Anticholinesterase Activity of Eight Medicinal Plant Species: In Vitro and In Silico Studies in the Search for Therapeutic Agents against Alzheimer's Disease. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-14.	1.2	12
15	Therapeutic and Mechanistic Effects of Curcumin in Huntington's Disease. Current Neuropharmacology, 2021, 19, 1007-1018.	2.9	25
16	Bioactive Abietane-Type Diterpenoid Glycosides from Leaves of Clerodendrum infortunatum (Lamiaceae). Molecules, 2021, 26, 4121.	3.8	5
17	Screening of in vitro and in silico α-amylase, α-glucosidase, and lipase inhibitory activity of oxyprenylated natural compounds and semisynthetic derivatives. Phytochemistry, 2021, 187, 112781.	2.9	9
18	Olive Trees By-Products as Sources of Bioactive and Other Industrially Useful Compounds: A Systematic Review. Molecules, 2021, 26, 5081.	3.8	12

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19	Focus on <scp><i>Olea europaea</i></scp> L. pruning byâ€products: extraction techniques, biological activity, and phytochemical profile. Biofuels, Bioproducts and Biorefining, 2021, 15, 1835-1849.	3.7	6
20	Microsatellite fingerprinting and metabolite profiling for the geographical authentication of commercial green teas. Journal of Food Composition and Analysis, 2021, 101, 103981.	3.9	1
21	Evaluation of the effect of <i>Lepidium meyenii</i> Walpers in infertile patients: A randomized, doubleâ€blind, placeboâ€controlled trial. Phytotherapy Research, 2021, 35, 6359-6368.	5.8	9
22	Inhibitory effects of plant extracts and in Silico screening of the bioactive compounds against \hat{l}_{\pm} -glucosidase. South African Journal of Botany, 2021, 143, 330-343.	2.5	3
23	Influence of thermal modification and extraction techniques on yield, antioxidant capacity and phytochemical profile of chestnut (Castanea sativa Mill.) wood. Holzforschung, 2021, 75, 260-268.	1.9	5
24	Flavonoid biosynthetic pathways in plants: Versatile targets for metabolic engineering. Biotechnology Advances, 2020, 38, 107316.	11.7	307
25	Nanoparticulate Antibiotic Systems as Antibacterial Agents and Antibiotic Delivery Platforms to Fight Infections. Journal of Nanomaterials, 2020, 2020, 1-31.	2.7	38
26	Recent Clinical and Preclinical Studies of Hydroxychloroquine on RNA Viruses and Chronic Diseases: A Systematic Review. Molecules, 2020, 25, 5318.	3.8	9
27	New Insights into the Exploitation of Vitis vinifera L. cv. Aglianico Leaf Extracts for Nutraceutical Purposes. Antioxidants, 2020, 9, 708.	5.1	15
28	Advances in Azorella glabra Wedd. Extract Research: In Vitro Antioxidant Activity, Antiproliferative Effects on Acute Myeloid Leukemia Cells and Bioactive Compound Characterization. Molecules, 2020, 25, 4890.	3.8	4
29	Neurotensins and their therapeutic potential: research field study. Future Medicinal Chemistry, 2020, 12, 1779-1803.	2.3	2
30	Phytochemical Profile of Capsicum annuum L. cv Senise, Incorporation into Liposomes, and Evaluation of Cellular Antioxidant Activity. Antioxidants, 2020, 9, 428.	5.1	31
31	Chemical Profiling of <i>Astragalus membranaceus</i> Roots (Fish.) Bunge Herbal Preparation and Evaluation of Its Bioactivity. Natural Product Communications, 2020, 15, 1934578X2092415.	0.5	9
32	Hura crepitans L. Extract: Phytochemical Characterization, Antioxidant Activity, and Nanoformulation. Pharmaceutics, 2020, 12, 553.	4.5	13
33	Role of PKC in the Regulation of the Human Kidney Chloride Channel ClC-Ka. Scientific Reports, 2020, 10, 10268.	3.3	3
34	Chemical analysis and antioxidant properties of orangeâ€tree (<scp><i>Citrus sinensis</i></scp> L.) biomass extracts obtained via different extraction techniques. Biofuels, Bioproducts and Biorefining, 2020, 14, 509-520.	3.7	13
35	Astaxanthin anticancer effects are mediated through multiple molecular mechanisms: A systematic review. Pharmacological Research, 2020, 155, 104689.	7.1	91
36	Phytochemicals of Minthostachys diffusa Epling and Their Health-Promoting Bioactivities. Foods, 2020, 9, 144.	4.3	8

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37	Analysis of meroterpenoids. , 2020, , 477-501.		5
38	Biological Activities of Alkaloids: From Toxicology to Pharmacology. Toxins, 2020, 12, 210.	3.4	45
39	Cigarette smoking affects the differences between male and female phenotypes. American Journal of Translational Research (discontinued), 2020, 12, 2998-3010.	0.0	3
40	Antioxidant, Antidiabetic, and Anticholinesterase Activities and Phytochemical Profile of Azorella glabra Wedd. Plants, 2019, 8, 265.	3.5	28
41	Quinone diterpenes from Salvia species: chemistry, botany, and biological activity. Phytochemistry Reviews, 2019, 18, 665-842.	6.5	25
42	An Ethnobotanical Survey of Medicinal Plants Used in Papantla, Veracruz, Mexico. Plants, 2019, 8, 246.	3.5	20
43	Phytochemistry and Antioxidant Activity of Aerial Parts of Phagnalon sordidum L Planta Medica, 2019, 85, 1008-1015.	1.3	3
44	Berberis Plantsâ€"Drifting from Farm to Food Applications, Phytotherapy, and Phytopharmacology. Foods, 2019, 8, 522.	4.3	46
45	Carboxamides vs. methanimines: Crystal structures, binding interactions, photophysical studies, and biological evaluation of (indazole-5-yl)methanimines as monoamine oxidase B and acetylcholinesterase inhibitors. European Journal of Medicinal Chemistry, 2019, 179, 404-422.	5.5	15
46	Molecular neuroscience at its "high― bibliometric analysis of the most cited papers on endocannabinoid system, cannabis and cannabinoids. Journal of Cannabis Research, 2019, 1, 4.	3.2	7
47	Comparison of different greenâ€extraction techniques and determination of the phytochemical profile and antioxidant activity of <scp><i>Echinacea angustifolia</i></scp> L. extracts. Phytochemical Analysis, 2019, 30, 547-555.	2.4	22
48	Influence of shading treatment on yield, morphological traits and phenolic profile of sweet basil (Ocimum basilicum L.). Scientia Horticulturae, 2019, 254, 91-98.	3.6	25
49	A Complete Survey of Glycoalkaloids Using LC-FTICR-MS and IRMPD in a Commercial Variety and a Local Landrace of Eggplant (Solanum melongena L.) and their Anticholinesterase and Antioxidant Activities. Toxins, 2019, 11, 230.	3.4	34
50	Plants of the genus Spinacia: From bioactive molecules to food and phytopharmacological applications. Trends in Food Science and Technology, 2019, 88, 260-273.	15.1	22
51	New heteroaryl carbamates: Synthesis and biological screening in vitro and in mammalian cells of wild-type and mutant HIV-protease inhibitors. Bioorganic and Medicinal Chemistry, 2019, 27, 1863-1870.	3.0	8
52	Antimicrobial Activity, Antioxidant Properties and Phytochemical Screening of Aesculus hippocastanum Mother Tincture against Food-borne Bacteria. Letters in Drug Design and Discovery, 2019, 17, 48-56.	0.7	14
53	Thermo-treatment affects Quercus cerris L. wood properties and the antioxidant activity and chemical composition of its by-product extracts. Industrial Crops and Products, 2019, 130, 380-388.	5.2	25
54	Chemical and Biological insights of <i>Ouratea hexasperma</i> (A. StHil.) Baill.: a source of bioactive compounds with multifunctional properties. Natural Product Research, 2019, 33, 1500-1503.	1.8	25

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55	Chemical and biological evaluation of essential oil from <i>Saussurea costus</i> (Falc.) Lipsch. from Garhwal Himalaya collected at different harvesting periods. Natural Product Research, 2019, 33, 2355-2358.	1.8	22
56	Papaver somniferum L. taxonomy, uses and new insight in poppy alkaloid pathways. Phytochemistry Reviews, 2018, 17, 853-871.	6.5	49
57	Determination of soyasaponins in Fagioli di Sarconi beans (Phaseolus vulgaris L.) by LC-ESI-FTICR-MS and evaluation of their hypoglycemic activity. Analytical and Bioanalytical Chemistry, 2018, 410, 1561-1569.	3.7	24
58	Alliinase and cysteine synthase transcription in developing garlic (Allium sativum L.) over time. Food Chemistry, 2018, 251, 103-109.	8.2	11
59	New insights on the functional role of URG7 in the cellular response to ER stress. Biology of the Cell, 2018, 110, 147-158.	2.0	12
60	Targeted metabolomic profiling in rat tissues reveals sex differences. Scientific Reports, 2018, 8, 4663.	3.3	40
61	Cedrela and Toona genera: a rich source of bioactive limonoids and triterpenoids. Phytochemistry Reviews, 2018, 17, 751-783.	6.5	17
62	Morphological, physiological and genomic comparisons between diploids and induced tetraploids in Anemone sylvestris L Plant Cell, Tissue and Organ Culture, 2018, 132, 317-327.	2.3	20
63	Mass spectrometry-based phytochemical screening for hypoglycemic activity of Fagioli di Sarconi beans (Phaseolus vulgaris L.). Food Chemistry, 2018, 242, 497-504.	8.2	39
64	Identification and antimicrobial activity of most representative secondary metabolites from different plant species. Chemical and Biological Technologies in Agriculture, 2018, 5, .	4.6	43
65	Phytochemical Profile, Antioxidant and Antidiabetic Activities of Adansonia digitata L. (Baobab) from Mali, as a Source of Health-Promoting Compounds. Molecules, 2018, 23, 3104.	3.8	79
66	Antioxidant Activity and Phytochemical Characterization of Senecio clivicolus Wedd Molecules, 2018, 23, 2497.	3.8	29
67	Future in the Past: Azorella glabra Wedd. as a Source of New Natural Compounds with Antiproliferative and Cytotoxic Activity on Multiple Myeloma Cells. International Journal of Molecular Sciences, 2018, 19, 3348.	4.1	17
68	Dandelion Root Extract Induces Intracellular Ca2+ Increases in HEK293 Cells. International Journal of Molecular Sciences, 2018, 19, 1112.	4.1	11
69	Antioxidant and Antisenescence Effects of Bergamot Juice. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-14.	4.0	42
70	A Comparative Study on Phytochemical Profiles and Biological Activities of Sclerocarya birrea (A.Rich.) Hochst Leaf and Bark Extracts. International Journal of Molecular Sciences, 2018, 19, 186.	4.1	21
71	Antibacterial potential of Saussurea obvallata petroleum ether extract: A spiritually revered medicinal plant. Cellular and Molecular Biology, 2018, 64, 65-70.	0.9	19
72	Satyrium nepalense, a high altitude medicinal orchid of Indian Himalayan region: chemical profile and biological activities of tuber extracts. Cellular and Molecular Biology, 2018, 64, 35-43.	0.9	58

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73	Assessment of genetic diversity of Smallanthus sonchifolius (Poepp. & Endl.) h. Robinson landraces by using AFLP markers. Genetika, 2018, 50, 803-816.	0.4	6
74	Antibacterial potential of Saussurea obvallata petroleum ether extract: A spiritually revered medicinal plant. Cellular and Molecular Biology, 2018, 64, 65-70.	0.9	9
75	Phytochemical and antioxidant activity studies on <i>Ononis angustissima</i> L. aerial parts: isolation of two new flavonoids. Natural Product Research, 2017, 31, 507-514.	1.8	23
76	Antibacterial and Hypoglycemic Diterpenoids from <i>Salvia chamaedryoides</i> . Journal of Natural Products, 2017, 80, 503-514.	3.0	46
77	Flow cytometry and capillary electrophoresis analyses in ethanol-stressed <i>Oenococcus oeni</i> strains and changes assessment of membrane fatty acid composition. Journal of Applied Microbiology, 2017, 122, 1615-1626.	3.1	14
78	Effects of thermo-vacuum treatment on secondary metabolite content and antioxidant activity of popular (Populus nigra L.) wood extracts. Industrial Crops and Products, 2017, 109, 384-390.	5.2	52
79	Synthesis and biological evaluation in vitro and in mammalian cells of new heteroaryl carboxyamides as HIV-protease inhibitors. Bioorganic and Medicinal Chemistry, 2017, 25, 4715-4722.	3.0	7
80	ABCC6 knockdown in HepG2 cells induces a senescent-like cell phenotype. Cellular and Molecular Biology Letters, 2017, 22, 7.	7.0	28
81	Identification of Smallanthus sonchifolius in herbal tea mixtures by PCR and DART/TOF-MS methods. Czech Journal of Food Sciences, 2016, 34, 495-502.	1.2	3
82	Spilanthol from Acmella Oleracea Lowers the Intracellular Levels of cAMP Impairing NKCC2 Phosphorylation and Water Channel AQP2 Membrane Expression in Mouse Kidney. PLoS ONE, 2016, 11, e0156021.	2.5	39
83	α-Glucosidase and α-Amylase Inhibitors from <i>Arcytophyllum thymifolium</i> . Journal of Natural Products, 2016, 79, 2104-2112.	3.0	77
84	Can Ocimum basilicum L. and Ocimum tenuiflorum L. in vitro culture be a potential source of secondary metabolites?. Food Chemistry, 2016, 194, 55-60.	8.2	23
85	Evaluation of Antioxidant, Antidiabetic and Anticholinesterase Activities of Smallanthus sonchifolius Landraces and Correlation with Their Phytochemical Profiles. International Journal of Molecular Sciences, 2015, 16, 17696-17718.	4.1	92
86	Effect of <i>Lepidium meyenii </i> Walp. on Semen Parameters and Serum Hormone Levels in Healthy Adult Men: A Double-Blind, Randomized, Placebo-Controlled Pilot Study. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-6.	1.2	45
87	Antioxidant and Proapoptotic Activities of <i> Sclerocarya birrea < /i > [(A. Rich.) Hochst.] Methanolic Root Extract on the Hepatocellular Carcinoma Cell Line HepG2. BioMed Research International, 2015, 2015, 1-11.</i>	1.9	34
88	Phenolic Compounds from <i>Olea europaea</i> L. Possess Antioxidant Activity and Inhibit Carbohydrate Metabolizing Enzymes <i>In Vitro</i> Levidence-based Complementary and Alternative Medicine, 2015, 2015, 1-9.	1.2	37
89	Prediction of the antioxidant activity of extra virgin olive oils produced in the Mediterranean area. Food Chemistry, 2015, 177, 233-239.	8.2	51
90	Antioxidant and Free Radical Scavenging Activity of Phenolics from Bidens humilis. Planta Medica, 2015, 81, 1056-1064.	1.3	9

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91	Inhibitors of α-amylase and α-glucosidase from Andromachia igniaria Humb. & Donpl Phytochemistry Letters, 2015, 14, 45-50.	1.2	48
92	Antioxidant activities and quali-quantitative analysis of different <i>Smallanthus sonchifolius</i> [(Poepp. and Endl.) H. Robinson] landrace extracts. Natural Product Research, 2015, 29, 1673-1677.	1.8	26
93	Simplified in vitro propagation protocol for Tacca leontopetaloides (L.) Kuntze and assessment of genetic uniformity of regenerated plantlets. Emirates Journal of Food and Agriculture, 2015, 27, 736.	1.0	4
94	Comparative analysis of genetic diversity of 8 millet genera revealed by ISSR markers. Emirates Journal of Food and Agriculture, 2015, 27, 617.	1.0	16
95	Difference on ITS regions among Yacon genotypes and Smallanthus spp Emirates Journal of Food and Agriculture, 2014, 26, 60.	1.0	3
96	A developed and validated high-performance thin-layer chromatographic method for the quantitative determination of quercetin in <i>Satyrium nepalense</i> tubers. Journal of Planar Chromatography - Modern TLC, 2014, 27, 444-448.	1.2	3
97	Formulation and evaluation of herbal antioxidant face cream of Nardostachys jatamansi collected from Indian Himalayan region. Asian Pacific Journal of Tropical Biomedicine, 2014, 4, S679-S682.	1.2	22
98	In vitro propagation of Drosera intermedia as influenced by cytokinins, pH, sucrose, and nutrient concentration. Emirates Journal of Food and Agriculture, 2014, 26, 558.	1.0	9
99	Antioxidant and free radical-scavenging activity of constituents from two Scorzonera species. Food Chemistry, 2014, 160, 298-304.	8.2	56
100	Analysis of the Genetic Structure of a Barley Collection Using DNA Diversity Array Technology (DArT). Plant Molecular Biology Reporter, 2013, 31, 280-288.	1.8	17
101	Cultivar based selection and genetic analysis of strawberry fruits with high levels of health promoting compounds. Food Chemistry, 2013, 140, 639-646.	8.2	33
102	Stress response assessment of <i>Lactobacillus sakei</i> strains selected as potential autochthonous starter cultures by flow cytometry and nucleic acid double-staining analyses. Journal of Applied Microbiology, 2013, 115, 786-795.	3.1	17
103	The choice of reference gene set for assessing gene expression in barley (Hordeum vulgare L.) under low temperature and drought stress. Molecular Genetics and Genomics, 2013, 288, 639-649.	2.1	51
104	Impact of yacon landraces cultivated in the Czech Republic and their ploidy on the short- and long-chain fructooligosaccharides content in tuberous roots. LWT - Food Science and Technology, 2013, 54, 80-86.	5.2	25
105	Isolation of putative LAR (leucoanthocyanidin reductase) gene fragment differentially expressed in Jatropha curcas L. leaves. Emirates Journal of Food and Agriculture, 2013, 25, 225.	1.0	1
106	Profiling of Phytochemicals in Tissues from <i>Sclerocarya birrea</i> by HPLC-MS and Their Link with Antioxidant Activity. ISRN Chromatography, 2013, 2013, 1-11.	0.6	20
107	A revised its nucleotide sequence gives a specifity for Smallanthus sonchifolius (Poepp. and Endl.) and its products identification. Genetika, 2013, 45, 217-226.	0.4	4
108	Validation of the \hat{I}^2 -amy 1 Transcription Profiling Assay and Selection of Reference Genes Suited for a RT-qPCR Assay in Developing Barley Caryopsis. PLoS ONE, 2012, 7, e41886.	2.5	44

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109	Role of the Cultivar in Choosing Clementine Fruits with a High Level of Health-Promoting Compounds. Journal of Agricultural and Food Chemistry, 2011, 59, 5293-5298.	5.2	35
110	Diversity of S-alk(en)yl cysteine sulphoxide content within a collection of garlic (Allium sativum L.) and its association with the morphological and genetic background assessed by AFLP. Scientia Horticulturae, 2011, 129, 541-547.	3.6	21
111	Chemical Composition and Possible <i>in vitro</i> Antigermination Activity of Three <i>Hypericum</i> Essential Oils. Natural Product Communications, 2011, 6, 1934578X1100601.	0.5	2
112	Total phenolic content, RAPDs, AFLPs and morphological traits for the analysis of variability in Smallanthus sonchifolius. Genetic Resources and Crop Evolution, 2011, 58, 545-551.	1.6	25
113	Effects of <i>Trichoderma harzianum </i> strain T-22 on the growth of two <i>Prunus </i> rootstocks during the rooting phase. Journal of Horticultural Science and Biotechnology, 2010, 85, 497-502.	1.9	23
114	Relationships between an Italian Strawberry Ecotype and its Ancestor using RAPD Markers. Genetic Resources and Crop Evolution, 2006, 53, 1715-1720.	1.6	18
115	In vivo topical anti-inflammatory and in vitro antioxidant activities of two extracts of Thymus satureioides leaves. Journal of Ethnopharmacology, 2004, 91, 31-36.	4.1	68