

# Antonella Di Sotto

## List of Publications by Year in descending order

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79  
papers

2,081  
citations

201385

27  
h-index

276539

41  
g-index

82  
all docs

82  
docs citations

82  
times ranked

2839  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hepatotoxicity of green tea: an update. Archives of Toxicology, 2015, 89, 1175-1191.	1.9	138
2	Multi-walled carbon nanotubes: Lack of mutagenic activity in the bacterial reverse mutation assay. Toxicology Letters, 2009, 184, 192-197.	0.4	101
3	Chromatographic Analyses, In Vitro Biological Activities, and Cytotoxicity of Cannabis sativa L. Essential Oil: A Multidisciplinary Study. Molecules, 2018, 23, 3266.	1.7	99
4	Inhibition by Î²-caryophyllene of ethyl methanesulfonate-induced clastogenicity in cultured human lymphocytes. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 699, 23-28.	0.9	75
5	Antimutagenic and mutagenic activities of some terpenes in the bacterial reverse mutation assay. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2008, 653, 130-133.	0.9	72
6	Noble Metal Nanoparticles Applications: Recent Trends in Food Control. Bioengineering, 2019, 6, 10.	1.6	61
7	Fast determination of biogenic amines in beverages by a coreâ€shell particle column. Food Chemistry, 2015, 187, 555-562.	4.2	58
8	Electric Mobility in a Smart City: European Overview. Energies, 2021, 14, 315.	1.6	53
9	Authenticity and quality of animal origin food investigated by stableâ€isotope ratio analysis. Journal of the Science of Food and Agriculture, 2013, 93, 439-448.	1.7	46
10	Effect of Steaming and Boiling on the Antioxidant Properties and Biogenic Amines Content in Green Bean (<i>Phaseolus vulgaris</i>) Varieties of Different Colours. Journal of Food Quality, 2017, 2017, 1-8.	1.4	46
11	Plant-Derived Nutraceuticals and Immune System Modulation: An Evidence-Based Overview. Vaccines, 2020, 8, 468.	2.1	44
12	Antiviral and Antioxidant Activity of a Hydroalcoholic Extract from <i>Humulus lupulus</i> L.. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-14.	1.9	43
13	Chemosensitizing Properties of Î²-Caryophyllene and Î²-Caryophyllene Oxide in Combination with Doxorubicin in Human Cancer Cells. Anticancer Research, 2017, 37, 1191-1196.	0.5	43
14	Interaction of Î²-caryophyllene and Î²-caryophyllene oxide with phospholipid bilayers: Differential scanning calorimetry study. Thermochimica Acta, 2015, 600, 28-34.	1.2	42
15	A Polyphenol Rich Extract from Solanum melongena L. DR2 Peel Exhibits Antioxidant Properties and Anti-Herpes Simplex Virus Type 1 Activity In Vitro. Molecules, 2018, 23, 2066.	1.7	41
16	Genotoxicity of lavender oil, linalyl acetate, and linalool on human lymphocytes in vitro. Environmental and Molecular Mutagenesis, 2011, 52, 69-71.	0.9	39
17	Chemosensitization of hepatocellular carcinoma cells to sorafenib by Î²-caryophyllene oxide-induced inhibition of ABC export pumps. Archives of Toxicology, 2019, 93, 623-634.	1.9	39
18	Chemopreventive Potential of Caryophyllane Sesquiterpenes: An Overview of Preliminary Evidence. Cancers, 2020, 12, 3034.	1.7	39

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19	A multi-methodological approach in the study of Italian PDO "Cornetto di Pontecorvo" red sweet pepper. <i>Food Chemistry</i> , 2018, 255, 120-131.	4.2	38
20	<i>Cannabis sativa</i> L. Inflorescences from Monoecious Cultivars Grown in Central Italy: An Untargeted Chemical Characterization from Early Flowering to Ripening. <i>Molecules</i> , 2020, 25, 1908.	1.7	38
21	Genotoxicity assessment of $\beta$ -caryophyllene oxide. <i>Regulatory Toxicology and Pharmacology</i> , 2013, 66, 264-268.	1.3	37
22	<i>Chelidonium majus</i> is not hepatotoxic in Wistar rats, in a 4 weeks feeding experiment. <i>Journal of Ethnopharmacology</i> , 2009, 126, 518-524.	2.0	33
23	Multidisciplinary Approach to Determine the Optimal Time and Period for Extracting the Essential Oil from <i>Mentha suaveolens</i> Ehrh. <i>Molecules</i> , 2015, 20, 9640-9655.	1.7	33
24	A pharmacodynamic study on clenbuterol-induced toxicity: $\beta$ 1- and $\beta$ 2-adrenoceptors involvement in guinea-pig tachycardia in an in vitro model. <i>Food and Chemical Toxicology</i> , 2007, 45, 1694-1699.	1.8	32
25	SPC Liposomes as Possible Delivery Systems for Improving Bioavailability of the Natural Sesquiterpene $\beta$ -Caryophyllene: Lamellarity and Drug-Loading as Key Features for a Rational Drug Delivery Design. <i>Pharmaceutics</i> , 2018, 10, 274.	2.0	32
26	<i>Capsicum annum</i> L. var. Cornetto di Pontecorvo PDO: Polyphenolic profile and in vitro biological activities. <i>Journal of Functional Foods</i> , 2018, 40, 679-691.	1.6	31
27	Genotoxicity assessment of some cosmetic and food additives. <i>Regulatory Toxicology and Pharmacology</i> , 2014, 68, 16-22.	1.3	29
28	Mutagenicity of cigarette butt waste in the bacterial reverse mutation assay: The protective effects of $\beta$ -caryophyllene and $\beta$ -caryophyllene oxide. <i>Environmental Toxicology</i> , 2016, 31, 1319-1328.	2.1	27
29	Antimutagenic and antioxidant activities of some bioflavours from wine. <i>Food and Chemical Toxicology</i> , 2013, 60, 141-146.	1.8	25
30	Phytochemical and biological characterization of Italian "sedano bianco di Sperlonga" Protected Geographical Indication celery ecotype: A multimethodological approach. <i>Food Chemistry</i> , 2020, 309, 125649.	4.2	25
31	Caryophyllane sesquiterpenes inhibit DNA-damage by tobacco smoke in bacterial and mammalian cells. <i>Food and Chemical Toxicology</i> , 2018, 111, 393-404.	1.8	24
32	Hypoglycemic, Antiglycation, and Cytoprotective Properties of a Phenol-Rich Extract From Waste Peel of <i>Punica granatum</i> L. var. Dente di Cavallo DC2. <i>Molecules</i> , 2019, 24, 3103.	1.7	24
33	Potential of Low-Dose Doxorubicin Cytotoxicity by Affecting P-Glycoprotein through Caryophyllane Sesquiterpenes in HepG2 Cells: an in Vitro and in Silico Study. <i>International Journal of Molecular Sciences</i> , 2020, 21, 633.	1.8	24
34	Biogenic amine profiles and antioxidant properties of Italian red wines from different price categories. <i>Journal of Food Composition and Analysis</i> , 2016, 46, 7-14.	1.9	23
35	Correlation between the Antimicrobial Activity and Metabolic Profiles of Cell Free Supernatants and Membrane Vesicles Produced by <i>Lactobacillus reuteri</i> DSM 17938. <i>Microorganisms</i> , 2020, 8, 1653.	1.6	22
36	Carbon nanotubes toxicology and effects on metabolism and immunological modification in vitro and in vivo. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 474203.	0.7	20

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37	&lt;i>Cassia angustifolia</i> Extract Is Not Hepatotoxic in an in vitro and in vivo Study. <i>Pharmacology</i> , 2011, 88, 252-259.	0.9	20
38	Antiarthritic Effects of a Root Extract from <i>Harpagophytum procumbens</i> DC: Novel Insights into the Molecular Mechanisms and Possible Bioactive Phytochemicals. <i>Nutrients</i> , 2020, 12, 2545.	1.7	19
39	Modulation of STAT3 Signaling, Cell Redox Defenses and Cell Cycle Checkpoints by Î²-Caryophyllene in Cholangiocarcinoma Cells: Possible Mechanisms Accounting for Doxorubicin Chemosensitization and Chemoprevention. <i>Cells</i> , 2020, 9, 858.	1.8	19
40	Rapid determination of polycyclic aromatic hydrocarbons in rainwater by liquid-liquid microextraction and LC with core-shell particles column and fluorescence detection. <i>Journal of Separation Science</i> , 2013, 36, 461-468.	1.3	18
41	Pharmacological and phytochemical study on a <i>Sisymbrium officinale</i> Scop. extract. <i>Journal of Ethnopharmacology</i> , 2010, 127, 731-736.	2.0	17
42	Antimutagenic Thio Compounds from <i>Sisymbrium officinale</i> . <i>Journal of Natural Products</i> , 2012, 75, 2062-2068.	1.5	17
43	<i>Sisymbrium Officinale</i> (L.) Scop. and its Polyphenolic Fractions Inhibit the Mutagenicity of Tert-Butylhydroperoxide in <i>Escherichia Coli</i> WP2 uvrAR Strain. <i>Phytotherapy Research</i> , 2016, 30, 829-834.	2.8	17
44	Î²-Hexachlorocyclohexane: A Small Molecule with a Big Impact on Human Cellular Biochemistry. <i>Biomedicines</i> , 2020, 8, 505.	1.4	17
45	Commercial Hemp Seed Oils: A Multimethodological Characterization. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6933.	1.3	17
46	<sup>1</sup> H NMR-Based Urinary Metabolic Profiling Reveals Changes in Nicotinamide Pathway Intermediates Due to Postnatal Stress Model in Rat. <i>Journal of Proteome Research</i> , 2014, 13, 5848-5859.	1.8	16
47	Chemometric evaluation of biogenic amines in commercial fruit juices. <i>European Food Research and Technology</i> , 2016, 242, 2031-2039.	1.6	16
48	Phytochemical analysis and effects on ingestive behaviour of a <i>Caralluma fimbriata</i> extract. <i>Food and Chemical Toxicology</i> , 2017, 108, 63-73.	1.8	16
49	Genotoxicity assessment of piperitenone oxide: An in vitro and in silico evaluation. <i>Food and Chemical Toxicology</i> , 2017, 106, 506-513.	1.8	16
50	Sustainable Management of Organic Waste and Recycling for Bioplastics: A LCA Approach for the Italian Case Study. <i>Sustainability</i> , 2021, 13, 6385.	1.6	16
51	Role of Caryophyllane Sesquiterpenes in the Entourage Effect of Felina 32 Hemp Inflorescence Phytocomplex in Triple Negative MDA-MB-468 Breast Cancer Cells. <i>Molecules</i> , 2021, 26, 6688.	1.7	16
52	Phytochemical and pharmacological profiles of the essential oil from the inflorescences of the <i>Cannabis sativa</i> L.. <i>Industrial Crops and Products</i> , 2022, 183, 114980.	2.5	16
53	Effects of <i>Cimicifuga racemosa</i> extract on liver morphology and hepatic function indices. <i>Phytomedicine</i> , 2008, 15, 1021-1024.	2.3	15
54	Antimutagenic and antioxidant activity of a protein fraction from aerial parts of <i>Urtica dioica</i> . <i>Pharmaceutical Biology</i> , 2015, 53, 935-938.	1.3	15

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55	A Multimethodological Characterization of Cannabis sativa L. Inflorescences from Seven Dioecious Cultivars Grown in Italy: The Effect of Different Harvesting Stages. <i>Molecules</i> , 2021, 26, 2912.	1.7	15
56	Bioactive compounds in cherry tomatoes ( <i>Solanum Lycopersicum</i> var. <i>Cerasiforme</i> ): Cultivation techniques classification by multivariate analysis. <i>Food Chemistry</i> , 2021, 355, 129630.	4.2	15
57	Hempseed Oil Quality Parameters: Optimization of Sustainable Methods by Miniaturization. <i>Sustainability</i> , 2019, 11, 3104.	1.6	14
58	Biogenic Amine Content in Red Wines from Different Protected Designations of Origin of Southern Italy: Chemometric Characterization and Classification. <i>Food Analytical Methods</i> , 2016, 9, 2280-2287.	1.3	12
59	Chemico-Biological Characterization of Torpedino Di Fondi® Tomato Fruits: A Comparison with San Marzano Cultivar at Two Ripeness Stages. <i>Antioxidants</i> , 2020, 9, 1027.	2.2	12
60	Antimutagenic activity of a secoisopimarane diterpenoid from <i>Salvia cinnabarina</i> M. Martens et Galeotti in the bacterial reverse mutation assay. <i>Food and Chemical Toxicology</i> , 2009, 47, 2092-2096.	1.8	10
61	Anticlastogenic Effect in Human Lymphocytes by the Sodium Salt of 3,4-Secoisopimar-4(18),7,15-trien-3-oic Acid. <i>Journal of Natural Products</i> , 2012, 75, 1294-1298.	1.5	8
62	Seagrass <i>Posidonia oceanica</i> (L.) Delile as a marine biomarker: a metabolomic and toxicological analysis. <i>Ecosphere</i> , 2018, 9, e02054.	1.0	8
63	±-Hexylcinnamaldehyde Synergistically Increases Doxorubicin Cytotoxicity Towards Human Cancer Cell Lines. <i>Anticancer Research</i> , 2016, 36, 3347-51.	0.5	8
64	Harpagophytum procumbens Root Extract Mediates Anti-Inflammatory Effects in Osteoarthritis Synoviocytes through CB2 Activation. <i>Pharmaceuticals</i> , 2022, 15, 457.	1.7	8
65	±-Hexylcinnamaldehyde Inhibits the Genotoxicity of Environmental Pollutants in the Bacterial Reverse Mutation Assay. <i>Journal of Natural Products</i> , 2014, 77, 2664-2670.	1.5	7
66	Interaction of limonene, terpineol, and 1,8 cineol with a model of biomembrane: A DSC study. <i>Thermochimica Acta</i> , 2021, 700, 178938.	1.2	7
67	Commercial Bio-Packaging to Preserve the Quality and Extend the Shelf-Life of Vegetables: The Case-Study of Pumpkin Samples Studied by a Multimethodological Approach. <i>Foods</i> , 2021, 10, 2440.	1.9	7
68	Sorafenib Chemosensitization by Caryophyllane Sesquiterpenes in Liver, Biliary, and Pancreatic Cancer Cells: The Role of STAT3/ABC Transporter Axis. <i>Pharmaceutics</i> , 2022, 14, 1264.	2.0	7
69	Interaction of ±-Hexylcinnamaldehyde with a Biomembrane Model: A Possible MDR Reversal Mechanism. <i>Journal of Natural Products</i> , 2015, 78, 1154-1159.	1.5	6
70	Natural Contaminants in Wines: Determination of Biogenic Amines by Chromatographic Techniques. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10159.	1.2	6
71	<i>Chelidonium majus</i> L. does not potentiate the hepatic effect of acetaminophen. <i>Experimental and Toxicologic Pathology</i> , 2013, 65, 1117-1120.	2.1	4
72	Phytochemical Analysis and Biological Activities of the Ethanolic Extract of <i>Daphne sericea</i> Vahl Flowering Aerial Parts Collected in Central Italy. <i>Biomolecules</i> , 2021, 11, 379.	1.8	4

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73	New insights in oxybutynin chemical stability: Identification in transdermal patches of a new impurity arising from oxybutynin N-oxide rearrangement. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 84, 123-131.	1.9	3
74	Characterization of the Phytochemical Composition and Bioactivities of <i>Anacyclus maroccanus</i> Ball. and <i>Anacyclus radiatus</i> Loisel Aerial Parts: Preliminary Evidence for the Possible Development of Moroccan Plants. <i>Molecules</i> , 2022, 27, 692.	1.7	3
75	Novel Insights into the Immunomodulatory Effects of Caryophyllane Sesquiterpenes: A Systematic Review of Preclinical Studies. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2292.	1.3	3
76	DSC evidence of the interaction and absorption of 3,4-Secoisopimar-4(18),7,15-trien-3-oic acid by biomembrane model. <i>Thermochimica Acta</i> , 2012, 549, 166-171.	1.2	2
77	Editorial: Natural Products and Hepatic Health: Light and Shadows. <i>Frontiers in Pharmacology</i> , 2022, 13, 868207.	1.6	2
78	Letter to the Editor regarding "RIFM fragrance ingredient safety assessment, linalyl acetate, CAS registry number 115-95-7" by Api et Al., 2015. <i>Food and Chemical Toxicology</i> , 2016, 97, S237-S239.	1.8	1
79	New insights in the antitumor effects of $\delta^2$ -caryophyllene in breast cancer cells: The role of cannabinoid and adrenergic systems. <i>Annals of Oncology</i> , 2018, 29, iii20.	0.6	1