Adriana Basile

List of Publications by Year
in descending order

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115	4,097	101543	133252
papers	citations	36	59
		h-index	g-index

118	118	118	5465
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antibacterial activity of pure flavonoids isolated from mosses. Phytochemistry, 1999, 52, 1479-1482.	2.9	239
2	Antimicrobial and Antioxidant Activities of Coumarins from the Roots of Ferulago campestris (Apiaceae). Molecules, 2009, 14, 939-952.	3.8	191
3	Antibacterial and allelopathic activity of extract from Castanea sativa leaves. FÃ¬toterapÃ¬Ã¢, 2000, 71, S110-S116.	2.2	172
4	Nutraceutical potential and antioxidant benefits of red pitaya (Hylocereus polyrhizus) extracts. Journal of Functional Foods, 2012, 4, 129-136.	3.4	170
5	Plants of the Genus Zingiber as a Source of Bioactive Phytochemicals: From Tradition to Pharmacy. Molecules, 2017, 22, 2145.	3.8	169
6	Antibacterial and antioxidant activities of ethanol extract from Paullinia cupana Mart.. Journal of Ethnopharmacology, 2005, 102, 32-36.	4.1	121
7	Toxicity, Accumulation, and Removal of Heavy Metals by Three Aquatic Macrophytes. International Journal of Phytoremediation, 2012, 14, 374-387.	3.1	94
8	Feijoa sellowiana derived natural Flavone exerts anti-cancer action displaying HDAC inhibitory activities. International Journal of Biochemistry and Cell Biology, 2007, 39, 1902-1914.	2.8	89
9	Physiological and morphological responses of Lead or Cadmium exposed Chlorella sorokiniana 211-8K (Chlorophyceae). SpringerPlus, 2013, 2, 147.	1.2	83
10	Antimicrobial and antioxidant activities of Feijoa sellowiana fruit. International Journal of Antimicrobial Agents, 2000, 13, 197-201.	2.5	82
11	Antibacterial activity of flavonoids and phenylpropanoids fromMarrubium globosumssp. libanoticum. Phytotherapy Research, 2007, 21, 395-397.	5.8	80
12	Antibacterial and Anticoagulant Activities of Coumarins Isolated from the Flowers of Magydaris tomentosa. Planta Medica, 2007, 73, 116-120.	1.3	79
13	Antiproliferative, Antibacterial and Antifungal Activity of the Lichen Xanthoria parietina and Its Secondary Metabolite Parietin. International Journal of Molecular Sciences, 2015, 16, 7861-7875.	4.1	77
14	Antibacterial activity in Actinidia chinensis, Feijoa sellowiana and Aberia caffra. International Journal of Antimicrobial Agents, 1997, 8, 199-203.	2.5	76
15	Antibacterial and antioxidant activities in Sideritis italica (Miller) Greuter et Burdet essential oils. Journal of Ethnopharmacology, 2006, 107, 240-248.	4.1	76
16	Comparison of the heavy metal bioaccumulation capacity of an epiphytic moss and an epiphytic lichen. Environmental Pollution, 2008, 151, 401-407.	7.5	75
17	Effects of seven pure flavonoids from mosses on germination and growth of Tortula muralis HEDW. (Bryophyta) and Raphanus sativus L. (Magnoliophyta). Phytochemistry, 2003, 62, 1145-1151.	2.9	69
18	Immunopharmacological properties of flavonoids. FÃ¬toterapÃ¬Ã¢, 2000, 71, S101-S109.	2.2	63

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19	Accumulation, localisation, and toxic effects of cadmium in the liverwort Lunularia cruciata. Protoplasma, 2004, 223, 53-61.	2.1	63
20	Antioxidant, antimicrobial and anti-proliferative activities of Solanum tuberosum L. var. Vitelotte. Food and Chemical Toxicology, 2013, 55, 304-312.	3.6	61
21	A Cd/Fe/Zn-Responsive Phytochelatin Synthase is Constitutively Present in the Ancient Liverwort Lunularia cruciata (L.) Dumort. Plant and Cell Physiology, 2014, 55, 1884-1891.	3.1	58
22	Effects of triacontanol on ascorbate-glutathione cycle in Brassica napus L. exposed to cadmium-induced oxidative stress. Ecotoxicology and Environmental Safety, 2017, 144, 268-274.	6.0	58
23	Bioacumulation and ultrastructural effects of Cd, Cu, Pb and Zn in the moss Scorpiurum circinatum (Brid.) Fleisch. & Loeske. Environmental Pollution, 2012, 166, 208-211.	7.5	54
24	Effects of Heavy Metals on Ultrastructure and HSP70S Induction in the Aquatic MossLeptodictyum RipariumHedw. International Journal of Phytoremediation, 2012, 14, 443-455.	3.1	49
25	Accumulation of Pb and Zn in Gametophytes and Sporophytes of the Moss Funaria hygrometrica(Funariales). Annals of Botany, 2001, 87, 537-543.	2.9	48
26	Effects of heavy metals on ultrastructure and Hsp70 induction in Lemna minor L. exposed to water along the Sarno River, Italy. Ecotoxicology and Environmental Safety, 2015, 114, 93-101.	6.0	48
27	Antibacterial and Antifungal Properties of Acetonic Extract ofFeijoa sellowianaFruits and Its Effect onHelicobacter pyloriGrowth. Journal of Medicinal Food, 2010, 13, 189-195.	1.5	46
28	Antimony toxicity in the lichen Xanthoria parietina (L.) Th. Fr.. Chemosphere, 2013, 93, 2269-2275.	8.2	46
29	Salicylic Acid and Melatonin Alleviate the Effects of Heat Stress on Essential Oil Composition and Antioxidant Enzyme Activity in Mentha Ã— Piperita and Mentha Arvensis L.. Antioxidants, 2019, 8, 547.	5.1	43
30	Biodiversity and trace element content of epiphytic bryophytes in urban and extraurban sites of southern Italy. Plant Ecology, 2004, 170, 1-14.	1.6	42
31	Trace element accumulation in Pseudevernia furfuracea (L.) Zopf exposed in Italy's so called Triangle of Death. Science of the Total Environment, 2008, 407, 647-654.	8.0	42
32	Functional and structural biomarkers to monitor heavy metal pollution of one of the most contaminated freshwater sites in Southern Europe. Ecotoxicology and Environmental Safety, 2018, 163, 665-673.	6.0	41
33	Heavy metal deposition in the Italian â€œtriangle of deathâ€•determined with the moss Scorpiurum circinatum. Environmental Pollution, 2009, 157, 2255-2260.	7.5	39
34	Ultrastructural changes and Heat Shock Proteins 70 induced by atmospheric pollution are similar to the effects observed under inÂvitro heavy metals stress in Conocephalum conicum (Marchantiales â€“) Tj ETQq0 0 0 rgBT /Overlock 10	2.5	39
35	Phytogrowth-inhibitory and antibacterial activity of Verbascum sinuatum. FÃ¬toterapÃ¬Ã¢, 2007, 78, 244-247.	2.2	37
36	Effect of Heat Stress on Yield, Monoterpene Content and Antibacterial Activity of Essential Oils of Mentha x piperita var. Mitcham and Mentha arvensis var. piperascens. Molecules, 2018, 23, 1903.	3.8	37

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37	Magnetic Emissions from Brake Wear are the Major Source of Airborne Particulate Matter Bioaccumulated by Lichens Exposed in Milan (Italy). Applied Sciences (Switzerland), 2020, 10, 2073.	2.5	37
38	Tissue and cell localization of experimentally-supplied lead inFunaria hygrometricaHedw. using X-ray SEM and TEM microanalysis. Journal of Bryology, 1994, 18, 69-81.	1.2	36
39	The Moss Leptodictyum riparium Counteracts Severe Cadmium Stress by Activation of Glutathione Transferase and Phytochelatin Synthase, but Slightly by Phytochelatins. International Journal of Molecular Sciences, 2020, 21, 1583.	4.1	36
40	Protamine-like proteins analyses as emerging biotechnique for cadmium impact assessment on male mollusk Mytilus galloprovincialis (Lamarck 1819). Acta Biochimica Polonica, 2018, 65, 259-267.	0.5	36
41	In-field and in-vitro study of the moss Leptodictyum riparium as bioindicator of toxic metal pollution in the aquatic environment: Ultrastructural damage, oxidative stress and HSP70 induction. PLoS ONE, 2018, 13, e0195717.	2.5	35
42	Inhibition of Inducible Nitric Oxide Synthase Expression by an Acetonic Extract from Feijoa sellowiana Berg. Fruits. Journal of Agricultural and Food Chemistry, 2007, 55, 5053-5061.	5.2	34
43	Alterations in the properties of sperm protamine-like II protein after exposure of Mytilus galloprovincialis (Lamarck 1819) to sub-toxic doses of cadmium. Ecotoxicology and Environmental Safety, 2019, 169, 600-606.	6.0	33
44	Phenol-Rich Feijoa sellowiana (Pineapple Guava) Extracts Protect Human Red Blood Cells from Mercury-Induced Cellular Toxicity. Antioxidants, 2019, 8, 220.	5.1	32
45	Uptake and acute toxicity of cerium in the lichen Xanthoria parietina. Ecotoxicology and Environmental Safety, 2014, 104, 379-385.	6.0	31
46	The biological response chain to pollution: a case study from the â€œItalian Triangle of Deathâ€•assessed with the liverwort Lunularia cruciata. Environmental Science and Pollution Research, 2017, 24, 26185-26193.	5.3	30
47	Antioxidant activity in extracts fromLeptodictyum riparium(Bryophyta), stressed by heavy metals, heat shock, and salinity. Plant Biosystems, 2011, 145, 77-80.	1.6	29
48	Thermal conductivity of natural zeolite-PTFE composites. Heat Recovery Systems & CHP, 1992, 12, 497-503.	0.3	28
49	A novel approach for identification and measurement of hemoglobin adducts with 1,2,3,4-diepoxybutane by liquid chromatography/electrospray ionisation mass spectrometry and matrix-assisted laser desorption/ionisation tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 527-540.	1.5	28
50	Ecophysiological and ultrastructural effects of dust pollution in lichens exposed around a cement plant (SW Slovakia). Environmental Science and Pollution Research, 2015, 22, 15891-15902.	5.3	27
51	The protective role of olive oil hydroxytyrosol against oxidative alterations induced by mercury in human erythrocytes. Food and Chemical Toxicology, 2015, 82, 59-63.	3.6	27
52	Antibacterial activity in Pleurochaete squarrosa extract (Bryophyta). International Journal of Antimicrobial Agents, 1998, 10, 169-172.	2.5	25
53	Interaction of triacontanol and arsenic on the ascorbate-glutathione cycle and their effects on the ultrastructure in Coriandrum sativum L.. Environmental and Experimental Botany, 2017, 141, 161-169.	4.2	24
54	A peptidomic approach for monitoring and characterising peptide cyanotoxins produced in Italian lakes by matrixâ€assisted laser desorption/ionisation and quadrupole timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 1173-1183.	1.5	23

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55	Antimicrobial and antioxidant activity of proteins from Feijoa sellowiana Berg. fruit before and after in vitro gastrointestinal digestion. Natural Product Research, 2020, 34, 2607-2611.	1.8	23
56	Biomonitoring of human exposure to methyl bromide by isotope dilution mass spectrometry of peptide adducts. , 1999, 34, 1028-1032.		22
57	Profiling microcystin contamination in a water reservoir by MALDI-TOF and liquid chromatography coupled to Q/TOF tandem mass spectrometry. Food Research International, 2013, 54, 1321-1330.	6.2	21
58	The phytochelatin synthase from Nitella mucronata (Charophyta) plays a role in the homeostatic control of iron(II)/(III). Plant Physiology and Biochemistry, 2018, 127, 88-96.	5.8	21
59	(+)-(E)-Chrysanthenyl Acetate: A Molecule with Interesting Biological Properties Contained in the Anthemis secundiramea (Asteraceae) Flowers. Applied Sciences (Switzerland), 2020, 10, 6808.	2.5	21
60	Antibiotic Effects of Lunularia cruciata (Bryophyta) Extract. Pharmaceutical Biology, 1998, 36, 25-28.	2.9	20
61	Effect of Lead and Colchicine on Morphogenesis in Protonemata of the Moss Funaria hygrometrica. Annals of Botany, 1995, 76, 597-606.	2.9	19
62	Effect of cadmium on gene expression in the liverwort Lunularia cruciata. Gene, 2005, 356, 153-159.	2.2	18
63	Ultrastructural alterations and HSP 70 induction inElodea ca-nadensisMichx. exposed to heavy metals. Caryologia, 2007, 60, 115-120.	0.3	18
64	Antioxidant and Antimicrobial Properties of Polyphenolic Fractions from Selected Moroccan Red Wines. Journal of Food Science, 2011, 76, C1342-8.	3.1	18
65	Biological effects from environmental pollution by toxic metals in the â€œland of firesâ€•(Italy) assessed using the biomonitor species Lunularia cruciata L. (Dum). Environmental Pollution, 2020, 265, 115000.	7.5	18
66	Structural analysis of styrene oxide/haemoglobin adducts by mass spectrometry: identification of suitable biomarkers for human exposure evaluation. Rapid Communications in Mass Spectrometry, 2002, 16, 871-878.	1.5	17
67	Ultrastructural effects of trace elements and environmental pollution in Italian â€œTriangle of Deathâ€• onPseudevernia furfuracea(L.) Zopf. Plant Biosystems, 2011, 145, 461-471.	1.6	16
68	Anti-Pseudomonas aeruginosa activity of hemlock (Conium maculatum, Apiaceae) essential oil. Natural Product Research, 2019, 33, 3436-3440.	1.8	16
69	Biological Responses to Cadmium Stress in Liverwort Conocephalum conicum (Marchantiales). International Journal of Molecular Sciences, 2020, 21, 6485.	4.1	16
70	Functional indicators of response mechanisms to nitrogen deposition, ozone, and their interaction in two Mediterranean tree species. PLoS ONE, 2017, 12, e0185836.	2.5	16
71	Dihydrophenanthrenes from a Sicilian Accession of Himantoglossum robertianum (Loisel.) P. Delforge Showed Antioxidant, Antimicrobial, and Antiproliferative Activities. Plants, 2021, 10, 2776.	3.5	16
72	Chemical composition, antioxidant and antimicrobial properties of Rapa Catozza Napoletana (Brassica rapa L. var. rapa DC.) seed meal, a promising protein source of Campania region (southern Italy) horticultural germplasm. Journal of the Science of Food and Agriculture, 2012, 92, 1716-1724.	3.5	15

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73	Daucus carota subsp. maximus (Desf.) Ball from Pantelleria, Sicily (Italy): isolation of essential oils and evaluation of their bioactivity. Natural Product Research, 2022, 36, 5842-5847.	1.8	15
74	Mass spectrometric identification of a candidate biomarker peptide from thein vitro interaction of epichlorohydrin with red blood cells. Journal of Mass Spectrometry, 2001, 36, 47-57.	1.6	14
75	Bioaccumulation, physiological and ultrastructural effects of glyphosate in the lichen Xanthoria parietina (L.) Th. Fr.. Chemosphere, 2016, 164, 233-240.	8.2	14
76	Structural analysis and quantitative evaluation of the modifications produced in human hemoglobin by methyl bromide using mass spectrometry and Edman degradation. , 1998, 12, 1783-1792.		13
77	Antibacterial activity in Rhynchostegium riparioides (hedw.) card. extract (bryophyta). Phytotherapy Research, 1998, 12, S146-S148.	5.8	13
78	Toxic effects of the thallus of the lichen on the growth and morphogenesis of bryophytes. Cryptogamie, Bryologie, 1999, 20, 35-41.	0.2	13
79	Water pollution causes ultrastructural and functional damages in Pellia neesiana (Gottsche) Limpr.. Journal of Trace Elements in Medicine and Biology, 2017, 43, 80-86.	3.0	13
80	Acetonic Extract from the Feijoa sellowiana Berg. Fruit Exerts Antioxidant Properties and Modulates Disaccharidases Activities in Human Intestinal Epithelial Cells. Phytotherapy Research, 2016, 30, 1308-1315.	5.8	12
81	Biological responses to heavy metal stress in the moss Leptodictyum riparium (Hedw.) Warnst. Ecotoxicology and Environmental Safety, 2022, 229, 113078.	6.0	12
82	Antibacterial and allelopathic activity of methanolic extract from Iris pseudopumila rhizomes. FÃ¬toterapÃ¬Ã¢, 2006, 77, 460-462.	2.2	11
83	Antibacterial and antifungal activities of acetonic extract fromPaullinia cupanaMart. seeds. Natural Product Research, 2013, 27, 2084-2090.	1.8	11
84	Physiological and ultrastructural effects of acute ozone fumigation in the lichen Xanthoria parietina: the role of parietin and hydration state. Environmental Science and Pollution Research, 2018, 25, 8104-8112.	5.3	11
85	Chemical Composition and Biological Activities of Oregano and Lavender Essential Oils. Applied Sciences (Switzerland), 2021, 11, 5688.	2.5	11
86	Protamine-like proteins have bactericidal activity. The first evidence in Mytilus galloprovincialis. Acta Biochimica Polonica, 2018, 65, 585-594.	0.5	11
87	Ion trap mass spectrometry in the structural analysis of haemoglobin peptides modified by epichlorohydrin and diepoxybutane. Rapid Communications in Mass Spectrometry, 2002, 16, 840-847.	1.5	10
88	Improvement of (+)-catechin inhibitory activity on human PMN respiratory burst by (+)-3-O-propionyl and (-)-3-O-valeryl substitution. Journal of Pharmacy and Pharmacology, 2010, 55, 399-405.	2.4	10
89	Antioxidant and Antibacterial Properties of Extracts and Bioactive Compounds in Bryophytes. Applied Sciences (Switzerland), 2022, 12, 160.	2.5	10
90	The structure and role of hyaline parenchyma in the liverwort Lunularia cruciata (L.) Dum. Giornale Botanico Italiano (Florence, Italy: 1962), 1989, 123, 169-176.	0.0	9

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91	Morphological adaptation to water uptake and transport in the poikilohydric moss Tortula ruralis. Giornale Botanico Italiano (Florence, Italy: 1962), 1993, 127, 1123-1132.	0.0	9
92	Proteomic approach for the analysis of acrylamideâ€“hemoglobin adducts. Journal of Chromatography A, 2008, 1215, 74-81.	3.7	9
93	Does air pollution influence the success of species translocation? Trace elements, ultrastructure and photosynthetic performances in transplants of a threatened forest macrolichen. Ecological Indicators, 2020, 117, 106666.	6.3	9
94	Effects of lead on the nuclear repetitive DNA of the mossFunaria hygrometrica (Bryophyta). Protoplasma, 1995, 188, 104-108.	2.1	8
95	Proteins of the fruit pulp of Acca sellowiana have antimicrobial activity directed against the bacterial membranes. Natural Product Research, 2019, 35, 1-5.	1.8	8
96	Fighting multidrug resistance with a fruit extract: anti-cancer and anti-biofilm activities of Acca sellowiana. Natural Product Research, 2021, 35, 1686-1689.	1.8	8
97	Induction of antibacterial activity by Î±-?-oligogalacturonides in Nephrolepis sp. (pteridophyta). International Journal of Antimicrobial Agents, 1997, 8, 131-134.	2.5	7
98	Applications of Environmental Scanning Electron Microscopy (ESEM) in botanical research. Plant Biosystems, 2008, 142, 355-359.	1.6	7
99	Vitality of the cyanolichen Peltigera praetextata exposed around a cement plant (SW Slovakia): a comparison with green algal lichens. Biologia (Poland), 2016, 71, 272-280.	1.5	7
100	Characterization and antibacterial activity of gelatinâ€based film incorporated with Arbutus unedo L. fruit extract on Sardina pilchardus. Journal of Food Processing and Preservation, 2021, 45, e15424.	2.0	7
101	Proteomics and Bryophytes: a comparison between different methods of protein extraction to study protein synthesis in the aquatic mossLeptodictyum riparium(Hedw.). Caryologia, 2007, 60, 102-105.	0.3	6
102	Effects of air pollution on production of essential oil in Feijoa Sellowiana Berg. grown in the 'Italian Triangle of Death'. International Journal of Environment and Health, 2010, 4, 250.	0.3	6
103	Antioxidant response to heavy metal pollution of Regi Lagni freshwater in Conocephalum conicum L. (Dum.). Ecotoxicology and Environmental Safety, 2022, 234, 113365.	6.0	6
104	Cysteine synthesis in Scorpiurum circinatum as a suitable biomarker in air pollution monitoring. International Journal of Environment and Health, 2011, 5, 93.	0.3	5
105	Modulation of protonemal morphogenesis inBryum capillareandPleurochaete squarrosa:A comparison with theFunaria hygrometricamodel system. Plant Biosystems, 2002, 136, 101-107.	1.6	4
106	Potential allelopathic activity ofSideritis italica(Miller) Greuter et Burdet essential oil. Plant Biosystems, 2011, 145, 241-247.	1.6	4
107	Structure and function of sheep hemoglobin Chios: A novel allele at the HBBB locus with two Lysâ†'Arg substitutions at positions Î²66(E10) and Î²144(HC1). Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2007, 2, 84-90.	1.0	3
108	Ultrastructural alterations induced by tropospheric ozone: comparison between resistant and sensitive clones of Trifolium repens L. CV. Regal. International Journal of Environment and Health, 2010, 4, 260.	0.3	3

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109	Plasticity of repetitive DNA in response to metal stress in Bryophytes. Plant Biosystems, 2006, 140, 80-86.	1.6	2
110	Antibacterial and antifungal activities of Otanthus maritimus (L.) Hoffmanns. & Link essential oil from Sicily. Natural Product Research, 2013, 27, 1548-1555.	1.8	2
111	Behaviour of repetitive non-coding DNA in response to heavy metal stress in the protonemata ofFunaria hygrometrica. Plant Biosystems, 2015, 149, 315-321.	1.6	2
112	Uptake and distribution of several inorganic ions in Nephrolepis cordifolia (L.) C. Presl grown on contaminated soil. Plant Biosystems, 2018, 152, 59-69.	1.6	2
113	Synthetic Meat: Acceptance. , 2019, , 285-288.		2
114	Effect of Feijoa Sellowiana Acetonic Extract on Proliferation Inhibition and Apoptosis Induction in Human Gastric Cancer Cells. Applied Sciences (Switzerland), 2020, 10, 7756.	2.5	2
115	Anti-Tumour Activities from Secondary Metabolites and Their Derivatives in Bryophytes: A Brief Review. , 2022, 1, 73-94.		0