

Simonetta Giordano

List of Publications by Year in descending order

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91
papers

3,406
citations

126708

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155451

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docs citations

92
times ranked

3841
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#	ARTICLE	IF	CITATIONS
1	Antibacterial activity of pure flavonoids isolated from mosses. <i>Phytochemistry</i> , 1999, 52, 1479-1482.	1.4	239
2	The database of the <scp>PREDICTS</scp> (Projecting Responses of Ecological Diversity In Changing) Tj ETQq0 0 0.rgBT /Overlock 10 T	0.8	186
3	The <scp>PREDICTS</scp> database: a global database of how local terrestrial biodiversity responds to human impacts. <i>Ecology and Evolution</i> , 2014, 4, 4701-4735.	0.8	178
4	Antibacterial and allelopathic activity of extract from <i>Castanea sativa</i> leaves. <i>FÄ-toterapÄ-Äc</i> , 2000, 71, S110-S116.	1.1	172
5	Moss bag biomonitoring: A methodological review. <i>Science of the Total Environment</i> , 2012, 432, 143-158.	3.9	162
6	Trace element accumulation by moss and lichen exposed in bags in the city of Naples (Italy). <i>Environmental Pollution</i> , 2003, 122, 91-103.	3.7	139
7	Atmospheric trace metal pollution in the Naples urban area based on results from moss and lichen bags. <i>Environmental Pollution</i> , 2005, 136, 431-442.	3.7	105
8	Lichen and moss bags as monitoring devices in urban areas. Part II: Trace element content in living and dead biomonitors and comparison with synthetic materials. <i>Environmental Pollution</i> , 2007, 146, 392-399.	3.7	99
9	Lichen and moss bags as monitoring devices in urban areas. Part I: Influence of exposure on sample vitality. <i>Environmental Pollution</i> , 2007, 146, 380-391.	3.7	97
10	Accumulation of airborne trace elements in mosses, lichens and synthetic materials exposed at urban monitoring stations: Towards a harmonisation of the moss-bag technique. <i>Chemosphere</i> , 2013, 90, 292-299.	4.2	74
11	Recent divergence, intercontinental dispersal and shared polymorphism are shaping the genetic structure of amphîâ€Atlantic peatmoss populations. <i>Molecular Ecology</i> , 2008, 17, 5364-5377.	2.0	70
12	Atmospheric particulate matter intercepted by moss-bags: Relations to moss trace element uptake and land use. <i>Chemosphere</i> , 2017, 176, 361-368.	4.2	68
13	Ultrastructural, protein and photosynthetic alterations induced by Pb and Cd in <i>Cynara cardunculus</i> L., and its potential for phytoremediation. <i>Ecotoxicology and Environmental Safety</i> , 2017, 145, 83-89.	2.9	67
14	Best options for the exposure of traditional and innovative moss bags: A systematic evaluation in three European countries. <i>Environmental Pollution</i> , 2016, 214, 362-373.	3.7	61
15	Air pollution monitoring using emission inventories combined with the moss bag approach. <i>Science of the Total Environment</i> , 2016, 541, 1410-1419.	3.9	59
16	Performance of three cardoon cultivars in an industrial heavy metal-contaminated soil: Effects on morphology, cytology and photosynthesis. <i>Journal of Hazardous Materials</i> , 2018, 351, 131-137.	6.5	59
17	Overall plant responses to Cd and Pb metal stress in maize: Growth pattern, ultrastructure, and photosynthetic activity. <i>Environmental Science and Pollution Research</i> , 2019, 26, 1781-1790.	2.7	58
18	Bags with oven-dried moss for the active monitoring of airborne trace elements in urban areas. <i>Environmental Pollution</i> , 2009, 157, 2798-2805.	3.7	57

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19	Natural and pre-treatments induced variability in the chemical composition and morphology of lichens and mosses selected for active monitoring of airborne elements. <i>Environmental Pollution</i> , 2008, 152, 11-19.	3.7	55
20	Cytological stress and element uptake in moss and lichen exposed in bags in urban area. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 1434-1443.	2.9	53
21	A multi-approach monitoring of particulate matter, metals and PAHs in an urban street canyon. <i>Environmental Science and Pollution Research</i> , 2013, 20, 4969-4979.	2.7	52
22	Improved biomonitoring of airborne contaminants by combined use of holm oak leaves and epiphytic moss. <i>Chemosphere</i> , 2013, 92, 1224-1230.	4.2	50
23	Sulphur, nitrogen and carbon content of <i>Sphagnum capillifolium</i> and <i>Pseudevernia furfuracea</i> exposed in bags in the Naples urban area. <i>Environmental Pollution</i> , 2004, 129, 145-158.	3.7	49
24	Geochemical properties of airborne particulate matter (PM10) collected by automatic device and biomonitors in a Mediterranean urban environment. <i>Atmospheric Environment</i> , 2008, 42, 346-357.	1.9	49
25	Accumulation of Pb and Zn in Gametophytes and Sporophytes of the Moss <i>Funaria hygrometrica</i> (Funariales). <i>Annals of Botany</i> , 2001, 87, 537-543.	1.4	48
26	Implementation of airborne trace element monitoring with devitalised transplants of <i>Hypnum cupressiforme</i> Hedw.: Assessment of temporal trends and element contribution by vehicular traffic in Naples city. <i>Environmental Pollution</i> , 2011, 159, 1620-1628.	3.7	48
27	Biodiversity and trace element content of epiphytic bryophytes in urban and extraurban sites of southern Italy. <i>Plant Ecology</i> , 2004, 170, 1-14.	0.7	42
28	Clonal in vitro propagation of peat mosses (<i>Sphagnum</i> L.) as novel green resources for basic and applied research. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 120, 1037-1049.	1.2	42
29	Biomonitoring of atmospheric pollution by moss bags: Discriminating urban-rural structure in a fragmented landscape. <i>Chemosphere</i> , 2016, 149, 211-218.	4.2	42
30	Evidence on the effectiveness of mosses for biomonitoring of microplastics in fresh water environment. <i>Chemosphere</i> , 2018, 205, 1-7.	4.2	39
31	Should moss samples used as biomonitors of atmospheric contamination be washed?. <i>Atmospheric Environment</i> , 2011, 45, 6837-6840.	1.9	37
32	Tissue and cell localization of experimentally-supplied lead in <i>Funaria hygrometrica</i> Hedw. using X-ray SEM and TEM microanalysis. <i>Journal of Bryology</i> , 1994, 18, 69-81.	0.4	36
33	Distinguishing metal bioconcentration from particulate matter in moss tissue: Testing methods of removing particles attached to the moss surface. <i>Science of the Total Environment</i> , 2013, 463-464, 727-733.	3.9	34
34	Metal and proton adsorption capacities of natural and cloned <i>Sphagnum</i> mosses. <i>Journal of Colloid and Interface Science</i> , 2016, 461, 326-334.	5.0	34
35	Implication of vitality, seasonality and specific leaf area on PAH uptake in moss and lichen transplanted in bags. <i>Ecological Indicators</i> , 2020, 108, 105727.	2.6	32
36	Molecular and chemical characterization of a <i>Sphagnum palustre</i> clone: Key steps towards a standardized and sustainable moss bag technique. <i>Ecological Indicators</i> , 2016, 71, 388-397.	2.6	29

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37	Sphagnum palustre clone vs native Pseudoscleropodium purum : A first trial in the field to validate the future of the moss bag technique. Environmental Pollution, 2017, 225, 323-328.	3.7	29
38	Monitoring chronic and acute PAH atmospheric pollution using transplants of the moss Hypnum cupressiforme and Robinia pseudacacia leaves. Atmospheric Environment, 2017, 150, 45-54.	1.9	28
39	Exploring the phytoremediation potential of Cynara cardunculus: a trial on an industrial soil highly contaminated by heavy metals. Environmental Science and Pollution Research, 2020, 27, 9075-9084.	2.7	28
40	Ubiquitous genetic diversity in ISSR markers between and within populations of the asexually producing moss Pleurochaete squarrosa. Plant Ecology, 2006, 188, 91-101.	0.7	27
41	Molecular biodiversity in the moss Leptodon smithii (Neckeraceae) in relation to habitat disturbance and fragmentation. Journal of Plant Research, 2007, 120, 595-604.	1.2	27
42	Antibacterial activity in Pleurochaete squarrosa extract (Bryophyta). International Journal of Antimicrobial Agents, 1998, 10, 169-172.	1.1	25
43	Genotoxic effect of Pb and Cd on in vitro cultures of Sphagnum palustre : An evaluation by ISSR markers. Chemosphere, 2017, 181, 208-215.	4.2	23
44	Active Biomonitoring of Heavy Metals and PAHs with Mosses and Lichens: a Case Study in the Cities of Naples and London. Water, Air, and Soil Pollution, 2015, 226, 1.	1.1	22
45	Occurrence of antibiotic activity in Conocephalum conicum, Mnium undulatum and Leptodictyum riparium (Bryophytes). Giornale Botanico Italiano (Florence, Italy: 1962), 1988, 122, 303-311.	0.0	20
46	Antibiotic Effects of Lunularia cruciata (Bryophyta) Extract. Pharmaceutical Biology, 1998, 36, 25-28.	1.3	20
47	Matrix solid phase dispersion method for determination of polycyclic aromatic hydrocarbons in moss. Journal of Chromatography A, 2015, 1406, 19-26.	1.8	20
48	Tracking the route of phenanthrene uptake in mosses: An experimental trial. Science of the Total Environment, 2017, 575, 1066-1073.	3.9	20
49	Indoor vs. outdoor airborne element array: A novel approach using moss bags to explore possible pollution sources. Environmental Pollution, 2019, 249, 566-572.	3.7	20
50	Effect of Lead and Colchicine on Morphogenesis in Protonemata of the Moss Funaria hygrometrica. Annals of Botany, 1995, 76, 597-606.	1.4	19
51	Instrumental and bio-monitoring of heavy metal and nanoparticle emissions from diesel engine exhaust in controlled environment. Journal of Environmental Sciences, 2010, 22, 1357-1363.	3.2	19
52	Regeneration from detached leaves of Pleurochaete squarrosa (Brid.) Lindb. in culture and in the wild. Journal of Bryology, 1996, 19, 219-227.	0.4	18
53	Intraspecific variability in baseline element composition of the epiphytic lichen Pseudevernia furfuracea in remote areas: implications for biomonitoring of air pollution. Environmental Science and Pollution Research, 2017, 24, 8004-8016.	2.7	18
54	Evaluation of the efficacy of the sequential elution technique, by use of electron microscopy methods. Journal of Bryology, 2011, 33, 54-61.	0.4	17

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55	Testing a novel biotechnological passive sampler for monitoring atmospheric PAH pollution. Journal of Hazardous Materials, 2020, 381, 120949.	6.5	17
56	Trace element content and molecular biodiversity in the epiphytic moss <i>Leptodon smithii</i> : Two independent tracers of human disturbance. Chemosphere, 2009, 74, 1158-1164.	4.2	16
57	Background element content of the lichen <i>Pseudevernia furfuracea</i> : A supra-national state of art implemented by novel field data from Italy. Science of the Total Environment, 2018, 622-623, 282-292.	3.9	16
58	Biosurface properties and lead adsorption in a clone of <i>Sphagnum palustre</i> (Mosses): Towards a unified protocol of biomonitoring of airborne heavy metal pollution. Chemosphere, 2019, 236, 124375.	4.2	15
59	Antibacterial activity in <i>Rhynchostegium riparioides</i> (hedw.) card. extract (bryophyta). Phytotherapy Research, 1998, 12, S146-S148.	2.8	13
60	Toxic effects of the thallus of the lichen on the growth and morphogenesis of bryophytes. Cryptogamie, Bryologie, 1999, 20, 35-41.	0.1	13
61	Assessing desertification in sub-Saharan peri-urban areas: Case study applications in Burkina Faso and Senegal. Journal of Geochemical Exploration, 2018, 190, 281-291.	1.5	13
62	Taxonomy of the <i>Hypnum cupressiforme</i> complex in Italy based on ITS and trnL sequences and ISSR markers. Journal of Bryology, 2008, 30, 283-289.	0.4	12
63	Mobile Biomonitoring of Atmospheric Pollution: A New Perspective for the Moss-Bag Approach. Plants, 2021, 10, 2384.	1.6	12
64	Clonal diversity and geographic structure in <i>Pleurochaete squarrosa</i> (Pottiaceae): different sampling scale approach. Journal of Plant Research, 2009, 122, 161-170.	1.2	10
65	Morphological Traits Influence the Uptake Ability of Priority Pollutant Elements by <i>Hypnum cupressiforme</i> and <i>Robinia pseudoacacia</i> Leaves. Atmosphere, 2020, 11, 148.	1.0	10
66	The structure and role of hyaline parenchyma in the liverwort <i>Lunularia cruciata</i> (L.) Dum. Giornale Botanico Italiano (Florence, Italy: 1962), 1989, 123, 169-176.	0.0	9
67	Morphological adaptation to water uptake and transport in the poikilohydric moss <i>Tortula ruralis</i> . Giornale Botanico Italiano (Florence, Italy: 1962), 1993, 127, 1123-1132.	0.0	9
68	Genetic variation and structure in endangered populations of <i>Sphagnum palustre</i> L. in Italy: a molecular approach to evaluate threats and survival ability. Botany, 2012, 90, 966-975.	0.5	9
69	Effects of lead on the nuclear repetitive DNA of the moss <i>Funaria hygrometrica</i> (Bryophyta). Protoplasma, 1995, 188, 104-108.	1.0	8
70	Molecular Markers Based on PCR Methods: A Guideline for Mosses. Cryptogamie, Bryologie, 2014, 35, 229-246.	0.1	8
71	Background element content in the lichen <i>Pseudevernia furfuracea</i> : a comparative analysis of digestion methods. Environmental Monitoring and Assessment, 2019, 191, 260.	1.3	8
72	Field comparison between moss and lichen PAHs uptake abilities based on deposition fluxes and diagnostic ratios. Ecological Indicators, 2021, 120, 106954.	2.6	8

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73	Facing metal stress by multiple strategies: morphophysiological responses of cardoon (<i>Cynara</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 37616-37626.	2.7	8
74	An adaptative pattern for water conduction in the ectohydric moss <i>Zygodon viridissimus</i> var. <i>rupestris</i> Hartm.. Journal of Bryology, 1984, 13, 235-239.	0.4	7
75	Induction of antibacterial activity by $\hat{1}\pm$ -oligogalacturonides in <i>Nephrolepis</i> sp. (pteridophyta). International Journal of Antimicrobial Agents, 1997, 8, 131-134.	1.1	7
76	Multi-elemental profile and enviromagnetic analysis of moss transplants exposed indoors and outdoors in Italy and Belgium. Environmental Pollution, 2021, 289, 117871.	3.7	7
77	Studies on <i>Timmiella barbuloides</i> (Brid.) Moenk., IV. SEM and TEM characterization of spore wall and first germination stages. Journal of Bryology, 1982, 12, 273-278.	0.4	5
78	A further tessera in the two-centuries-old debate on the <i>Hypnum cupressiforme</i> complex (Hypnaceae,) Tj ETQq0 0 0.9 rgBT /Overlock 10 T	0.9	5
79	The wall structure of the \hat{e} -reticulate \hat{e} ™ cells of <i>Conocephalum conicum</i> (L.) Dum., observed by SEM. Journal of Bryology, 1985, 13, 407-410.	0.4	4
80	Modulation of protonemal morphogenesis in <i>Bryum capillare</i> and <i>Pleurochaete squarrosa</i> : A comparison with the <i>Funaria hygrometrica</i> model system. Plant Biosystems, 2002, 136, 101-107.	0.8	4
81	In vitro allelopathic properties of wild rocket (<i>Diplotaxis tenuifolia</i> DC) extract and of its potential allelochemical S-glucopyranosyl thiohydroximate. Journal of Plant Interactions, 2005, 1, 51-60.	1.0	4
82	Metals Induce Genotoxicity in Three Cardoon Cultivars: Relation to Metal Uptake and Distribution in Extra- and Intracellular Fractions. Plants, 2022, 11, 475.	1.6	4
83	Spore wall morphology and dehiscence pattern in the liverwort <i>Fossombronina caespitiformis</i> De Not.. Journal of Bryology, 1986, 14, 363-366.	0.4	3
84	Antibiotic Activity in <i>Thevetia Neriifolia</i> Juss. and <i>Thevetia Peruviana</i> K. Shum. (Apocinaceae).. Pharmacological Research, 1993, 27, 99-100.	3.1	3
85	Persistent pollutants and the patchiness of urban green areas as drivers of genetic richness in the epiphytic moss <i>Leptodon smithii</i> . Journal of Environmental Sciences, 2014, 26, 2493-2499.	3.2	3
86	Genetic structuring of the moss <i>Pseudoscleropodium purum</i> sampled at different distances from a pollution source. Ecotoxicology, 2016, 25, 1812-1821.	1.1	3
87	Scanning electron microscope characterization of spores of European <i>Buxbaumiaceae</i> . Journal of Bryology, 1981, 11, 743-746.	0.4	2
88	Effects of acetonic extract from the lichen <i>Cladonia foliacea</i> on sporeling of the moss <i>Funaria hygrometrica</i> . Giornale Botanico Italiano (Florence, Italy: 1962), 1993, 127, 1195-1198.	0.0	2
89	Geochemistry and carbon isotopic ratio for assessment of PM10 composition, source and seasonal trends in urban environment. Environmental Pollution, 2018, 239, 590-598.	3.7	2
90	<i>Sphagnum centrale</i> and <i>S. palustre</i> from Mediterranean Basin: A Comparison with Conspecific North American Populations by Microsatellite Analysis. Cryptogamie, Bryologie, 2016, 37, 211-223.	0.1	1

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91	Uptake of Micro and Macronutrients in Relation to Increasing Mn Concentrations in <i>Cistus salvifolius</i> L. Grown in Hydroponic Cultures. <i>Journal of Environmental Accounting and Management</i> , 2018, 6, 355-363.	0.3	1