

# Simonetta Giordano

## List of Publications by Year in descending order

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91  
papers

3,406  
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126708

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155451

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92  
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Metals Induce Genotoxicity in Three Cardoon Cultivars: Relation to Metal Uptake and Distribution in Extra- and Intracellular Fractions. <i>Plants</i> , 2022, 11, 475.	1.6	4
2	Field comparison between moss and lichen PAHs uptake abilities based on deposition fluxes and diagnostic ratios. <i>Ecological Indicators</i> , 2021, 120, 106954.	2.6	8
3	Facing metal stress by multiple strategies: morphophysiological responses of cardoon ( <i>Cynara</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 1 37616-37626.	2.7	8
4	Multi-elemental profile and enviromagnetic analysis of moss transplants exposed indoors and outdoors in Italy and Belgium. <i>Environmental Pollution</i> , 2021, 289, 117871.	3.7	7
5	Mobile Biomonitoring of Atmospheric Pollution: A New Perspective for the Moss-Bag Approach. <i>Plants</i> , 2021, 10, 2384.	1.6	12
6	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
7	Testing a novel biotechnological passive sampler for monitoring atmospheric PAH pollution. <i>Journal of Hazardous Materials</i> , 2020, 381, 120949.	6.5	17
8	Exploring the phytoremediation potential of <i>Cynara cardunculus</i> : a trial on an industrial soil highly contaminated by heavy metals. <i>Environmental Science and Pollution Research</i> , 2020, 27, 9075-9084.	2.7	28
9	Morphological Traits Influence the Uptake Ability of Priority Pollutant Elements by <i>Hypnum cupressiforme</i> and <i>Robinia pseudoacacia</i> Leaves. <i>Atmosphere</i> , 2020, 11, 148.	1.0	10
10	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. <i>Chemosphere</i> , 2019, 236, 124375.	4.2	15
11	Indoor vs. outdoor airborne element array: A novel approach using moss bags to explore possible pollution sources. <i>Environmental Pollution</i> , 2019, 249, 566-572.	3.7	20
12	Background element content in the lichen <i>Pseudevernia furfuracea</i> : a comparative analysis of digestion methods. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 260.	1.3	8
13	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
14	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
15	Evidence on the effectiveness of mosses for biomonitoring of microplastics in fresh water environment. <i>Chemosphere</i> , 2018, 205, 1-7.	4.2	39
16	Background element content of the lichen <i>Pseudevernia furfuracea</i> : A supra-national state of art implemented by novel field data from Italy. <i>Science of the Total Environment</i> , 2018, 622-623, 282-292.	3.9	16
17	Geochemistry and carbon isotopic ratio for assessment of PM10 composition, source and seasonal trends in urban environment. <i>Environmental Pollution</i> , 2018, 239, 590-598.	3.7	2
18	Assessing desertification in sub-Saharan peri-urban areas: Case study applications in Burkina Faso and Senegal. <i>Journal of Geochemical Exploration</i> , 2018, 190, 281-291.	1.5	13

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19	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
20	<i>Sphagnum palustre</i> clone vs native <i>Pseudoscleropodium purum</i> : A first trial in the field to validate the future of the moss bag technique. <i>Environmental Pollution</i> , 2017, 225, 323-328.	3.7	29
21	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
22	Genotoxic effect of Pb and Cd on in vitro cultures of <i>Sphagnum palustre</i> : An evaluation by ISSR markers. <i>Chemosphere</i> , 2017, 181, 208-215.	4.2	23
23	Intraspecific variability in baseline element composition of the epiphytic lichen <i>Pseudevernia furfuracea</i> in remote areas: implications for biomonitoring of air pollution. <i>Environmental Science and Pollution Research</i> , 2017, 24, 8004-8016.	2.7	18
24	Monitoring chronic and acute PAH atmospheric pollution using transplants of the moss <i>Hypnum cupressiforme</i> and <i>Robinia pseudacacia</i> leaves. <i>Atmospheric Environment</i> , 2017, 150, 45-54.	1.9	28
25	The database of the <sc>PREDICTS</sc> (Projecting Responses of Ecological Diversity In Changing) Tj ETQq1 1 0,784314 rgBT /Overl 0,8 186	0,8	186
26	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
27	Tracking the route of phenanthrene uptake in mosses: An experimental trial. <i>Science of the Total Environment</i> , 2017, 575, 1066-1073.	3.9	20
28	Genetic structuring of the moss <i>Pseudoscleropodium purum</i> sampled at different distances from a pollution source. <i>Ecotoxicology</i> , 2016, 25, 1812-1821.	1.1	3
29	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
30	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
31	<i>Sphagnum centrale</i> and <i>S. palustre</i> from Mediterranean Basin: A Comparison with Conspecific North American Populations by Microsatellite Analysis. <i>Cryptogamie, Bryologie</i> , 2016, 37, 211-223.	0.1	1
32	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
33	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
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	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
36	Matrix solid phase dispersion method for determination of polycyclic aromatic hydrocarbons in moss. <i>Journal of Chromatography A</i> , 2015, 1406, 19-26.	1.8	20

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37	Active Biomonitoring of Heavy Metals and PAHs with Mosses and Lichens: a Case Study in the Cities of Naples and London. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	22
38	Persistent pollutants and the patchiness of urban green areas as drivers of genetic richness in the epiphytic moss <i>Leptodon smithii</i> . <i>Journal of Environmental Sciences</i> , 2014, 26, 2493-2499.	3.2	3
39	The <sc>PREDICTS</sc> 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
40	Molecular Markers Based on PCR Methods: A Guideline for Mosses. <i>Cryptogamie, Bryologie</i> , 2014, 35, 229-246.	0.1	8
41	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
42	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
43	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
44	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
45	Genetic variation and structure in endangered populations of <i>Sphagnum palustre</i> L. in Italy: a molecular approach to evaluate threats and survival ability. <i>Botany</i> , 2012, 90, 966-975.	0.5	9
46	Moss bag biomonitoring: A methodological review. <i>Science of the Total Environment</i> , 2012, 432, 143-158.	3.9	162
47	A further tessera in the two-centuries-old debate on the <i>Hypnum cupressiforme</i> complex (Hypnaceae). <i>Tj ETQq1 1 0,784314 ggBT /Over</i>	0.3	5
48	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
49	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
50	Should moss samples used as biomonitors of atmospheric contamination be washed?. <i>Atmospheric Environment</i> , 2011, 45, 6837-6840.	1.9	37
51	Evaluation of the efficacy of the sequential elution technique, by use of electron microscopy methods. <i>Journal of Bryology</i> , 2011, 33, 54-61.	0.4	17
52	Instrumental and bio-monitoring of heavy metal and nanoparticle emissions from diesel engine exhaust in controlled environment. <i>Journal of Environmental Sciences</i> , 2010, 22, 1357-1363.	3.2	19
53	Clonal diversity and geographic structure in <i>Pleurochaete squarrosa</i> (Pottiaceae): different sampling scale approach. <i>Journal of Plant Research</i> , 2009, 122, 161-170.	1.2	10
54	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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55	Trace element content and molecular biodiversity in the epiphytic moss <i>Leptodon smithii</i> : Two independent tracers of human disturbance. <i>Chemosphere</i> , 2009, 74, 1158-1164.	4.2	16
56	Recent divergence, intercontinental dispersal and shared polymorphism are shaping the genetic structure of amphiatlantic peatmoss populations. <i>Molecular Ecology</i> , 2008, 17, 5364-5377.	2.0	70
57	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
58	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
59	Taxonomy of the <i>Hypnum cupressiforme</i> complex in Italy based on ITS and trnL sequences and ISSR markers. <i>Journal of Bryology</i> , 2008, 30, 283-289.	0.4	12
60	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
61	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
62	Molecular biodiversity in the moss <i>Leptodon smithii</i> (Neckeraceae) in relation to habitat disturbance and fragmentation. <i>Journal of Plant Research</i> , 2007, 120, 595-604.	1.2	27
63	Ubiquitous genetic diversity in ISSR markers between and within populations of the asexually producing moss <i>Pleurochaete squarrosa</i> . <i>Plant Ecology</i> , 2006, 188, 91-101.	0.7	27
64	In vitro allelopathic properties of wild rocket ( <i>Diplotaxis tenuifolia</i> DC) extract and of its potential allelochemical S-glucopyranosyl thiohydroximate. <i>Journal of Plant Interactions</i> , 2005, 1, 51-60.	1.0	4
65	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
66	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
67	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
68	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
69	Modulation of protonemal morphogenesis in <i>Bryum capillare</i> and <i>Pleurochaete squarrosa</i> : A comparison with the <i>Funaria hygrometrica</i> model system. <i>Plant Biosystems</i> , 2002, 136, 101-107.	0.8	4
70	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
71	Antibacterial and allelopathic activity of extract from <i>Castanea sativa</i> leaves. <i>Fito-terapia</i> , 2000, 71, S110-S116.	1.1	172
72	Antibacterial activity of pure flavonoids isolated from mosses. <i>Phytochemistry</i> , 1999, 52, 1479-1482.	1.4	239

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73	Toxic effects of the thallus of the lichen on the growth and morphogenesis of bryophytes. <i>Cryptogamie, Bryologie</i> , 1999, 20, 35-41.	0.1	13
74	Antibacterial activity in <i>Rhynchostegium riparioides</i> (hedw.) card. extract (bryophyta). <i>Phytotherapy Research</i> , 1998, 12, S146-S148.	2.8	13
75	Antibacterial activity in <i>Pleurochaete squarrosa</i> extract (Bryophyta). <i>International Journal of Antimicrobial Agents</i> , 1998, 10, 169-172.	1.1	25
76	Antibiotic Effects of <i>Lunularia cruciata</i> (Bryophyta) Extract. <i>Pharmaceutical Biology</i> , 1998, 36, 25-28.	1.3	20
77	Induction of antibacterial activity by $\hat{1}\pm$ - $\hat{7}$ -oligogalacturonides in <i>Nephrolepis</i> sp. (pteridophyta). <i>International Journal of Antimicrobial Agents</i> , 1997, 8, 131-134.	1.1	7
78	Regeneration from detached leaves of <i>Pleurochaete squarrosa</i> (Brid.) Lindb. in culture and in the wild. <i>Journal of Bryology</i> , 1996, 19, 219-227.	0.4	18
79	Effects of lead on the nuclear repetitive DNA of the moss <i>Funaria hygrometrica</i> (Bryophyta). <i>Protoplasma</i> , 1995, 188, 104-108.	1.0	8
80	Effect of Lead and Colchicine on Morphogenesis in Protonemata of the Moss <i>Funaria hygrometrica</i> . <i>Annals of Botany</i> , 1995, 76, 597-606.	1.4	19
81	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
82	Antibiotic Activity in <i>Thevetia Neriifolia</i> Juss. and <i>Thevetia Peruviana</i> K. Shum. (Apocinaceae).. <i>Pharmacological Research</i> , 1993, 27, 99-100.	3.1	3
83	Morphological adaptation to water uptake and transport in the poikilohydric moss <i>Tortula ruralis</i> . <i>Giornale Botanico Italiano</i> (Florence, Italy: 1962), 1993, 127, 1123-1132.	0.0	9
84	Effects of acetonic extract from the lichen <i>Cladonia foliacea</i> on sporeling of the moss <i>Funaria hygrometrica</i> . <i>Giornale Botanico Italiano</i> (Florence, Italy: 1962), 1993, 127, 1195-1198.	0.0	2
85	The structure and role of hyaline parenchyma in the liverwort <i>Lunularia cruciata</i> (L.) Dum. <i>Giornale Botanico Italiano</i> (Florence, Italy: 1962), 1989, 123, 169-176.	0.0	9
86	Occurrence of antibiotic activity in <i>Conocephalum conicum</i> , <i>Mnium undulatum</i> and <i>Leptodictyum riparium</i> (Bryophytes). <i>Giornale Botanico Italiano</i> (Florence, Italy: 1962), 1988, 122, 303-311.	0.0	20
87	Spore wall morphology and dehiscence pattern in the liverwort <i>Fossombronina caespitiformis</i> De Not.. <i>Journal of Bryology</i> , 1986, 14, 363-366.	0.4	3
88	The wall structure of the $\hat{e}$ -reticulate $\hat{e}$ ™ cells of <i>Conocephalum conicum</i> (L.) Dum., observed by SEM. <i>Journal of Bryology</i> , 1985, 13, 407-410.	0.4	4
89	An adaptative pattern for water conduction in the ectohydric moss <i>Zygodon viridissimus</i> var. <i>rupestris</i> Hartm.. <i>Journal of Bryology</i> , 1984, 13, 235-239.	0.4	7
90	Studies on <i>Timmiella barbulooides</i> (Brid.) Moenk., IV. SEM and TEM characterization of spore wall and first germination stages. <i>Journal of Bryology</i> , 1982, 12, 273-278.	0.4	5

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91	Scanning electron microscope characterization of spores of European Buxbaumiaceae. Journal of Bryology, 1981, 11, 743-746.	0.4	2