

# Agnese Giacomino

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

1,906  
citations

361045

20  
h-index

253896

43  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2628  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of heavy metals on vermiculite: Influence of pH and organic ligands. <i>Journal of Colloid and Interface Science</i> , 2006, 299, 537-546.	5.0	242
2	Interaction of metal ions with montmorillonite and vermiculite. <i>Applied Clay Science</i> , 2008, 38, 227-236.	2.6	223
3	Accumulation of heavy metals from contaminated soil to plants and evaluation of soil remediation by vermiculite. <i>Chemosphere</i> , 2011, 82, 169-178.	4.2	158
4	Determination of Mercury by Anodic Stripping Voltammetry with a Gold Nanoparticle-Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2008, 20, 75-83.	1.5	138
5	Parameters affecting the determination of mercury by anodic stripping voltammetry using a gold electrode. <i>Talanta</i> , 2007, 75, 266-73.	2.9	96
6	The role of chemometrics in single and sequential extraction assays: A Review. Part II. Cluster analysis, multiple linear regression, mixture resolution, experimental design and other techniques. <i>Analytica Chimica Acta</i> , 2011, 688, 122-139.	2.6	80
7	The role of chemometrics in single and sequential extraction assays: A review. <i>Analytica Chimica Acta</i> , 2011, 688, 104-121.	2.6	73
8	An approach for arsenic in a contaminated soil: Speciation, fractionation, extraction and effluent decontamination. <i>Environmental Pollution</i> , 2010, 158, 416-423.	3.7	72
9	Assessment of Metal Availability in a Contaminated Soil by Sequential Extraction. <i>Water, Air, and Soil Pollution</i> , 2006, 173, 315-338.	1.1	58
10	Geochemical characterisation of Antarctic soils and lacustrine sediments from Terra Nova Bay. <i>Microchemical Journal</i> , 2009, 92, 21-31.	2.3	58
11	Determination of As(III) by anodic stripping voltammetry using a lateral gold electrode: Experimental conditions, electron transfer and monitoring of electrode surface. <i>Talanta</i> , 2011, 83, 1428-1435.	2.9	50
12	Spatial distribution and potential sources of trace elements in PM10 monitored in urban and rural sites of Piedmont Region. <i>Chemosphere</i> , 2016, 145, 495-507.	4.2	46
13	Anodic stripping voltammetry with gold electrodes as an alternative method for the routine determination of mercury in fish. Comparison with spectroscopic approaches. <i>Food Chemistry</i> , 2017, 221, 737-745.	4.2	42
14	The Efficiency of Vermiculite as Natural Sorbent for Heavy Metals. Application to a Contaminated Soil. <i>Water, Air, and Soil Pollution</i> , 2007, 181, 149-160.	1.1	37
15	Spin-dependent electrochemistry: Enantio-selectivity driven by chiral-induced spin selectivity effect. <i>Electrochimica Acta</i> , 2018, 286, 271-278.	2.6	35
16	Voltammetric determination of methylmercury and inorganic mercury with an home made gold nanoparticle electrode. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 2209-2216.	1.5	33
17	Metal Content in Dandelion ( <i>Taraxacum officinale</i> ) Leaves: Influence of Vehicular Traffic and Safety upon Consumption as Food. <i>Journal of Chemistry</i> , 2016, 2016, 1-9.	0.9	31
18	Source identification and temporal evolution of trace elements in PM10 collected near to Ny-Ålesund (Norwegian Arctic). <i>Atmospheric Environment</i> , 2019, 203, 153-165.	1.9	28

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19	An Effective Gluten Extraction Method Exploiting Pure Choline Chloride-Based Deep Eutectic Solvents (ChCl-DESs). <i>Food Analytical Methods</i> , 2017, 10, 4079-4085.	1.3	24
20	Chromium, nickel, and cobalt in cosmetic matrices: an integrated bioanalytical characterization through total content, bioaccessibility, and Cr(III)/Cr(VI) speciation. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6831-6841.	1.9	23
21	Determination and assessment of the contents of essential and potentially toxic elements in Ayurvedic medicine formulations by inductively coupled plasma-optical emission spectrometry. <i>Microchemical Journal</i> , 2011, 99, 2-6.	2.3	21
22	Determination of the total and bioaccessible contents of essential and potentially toxic elements in ayurvedic formulations purchased from different commercial channels. <i>Microchemical Journal</i> , 2015, 120, 6-17.	2.3	20
23	Electrocatalysis in the oxidation of acetaminophen with an electrochemically activated glassy carbon electrode. <i>Electrochimica Acta</i> , 2016, 192, 139-147.	2.6	20
24	Inter-annual and seasonal variability in PM10 samples monitored in the city of Turin (Italy) from 2002 to 2005. <i>Microchemical Journal</i> , 2013, 107, 76-85.	2.3	19
25	Temporal trends of elements in Turin (Italy) atmospheric particulate matter from 1976 to 2001. <i>Chemosphere</i> , 2013, 90, 2578-2588.	4.2	19
26	Microwave-Assisted Dehydrogenative Cross Coupling Reactions in $\beta$ -valerolactone with a Reusable Pd/I <sup>2</sup> -cyclodextrin Crosslinked Catalyst. <i>Molecules</i> , 2019, 24, 288.	1.7	19
27	Charge-transfer complexes of 2,3-dichloro-5,6-dicyano-1,4-benzoquinone with amino molecules in polar solvents. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 75-82.	2.0	15
28	Characterization of the element content in lacustrine ecosystems in Terra Nova Bay, Antarctica. <i>Microchemical Journal</i> , 2012, 105, 142-151.	2.3	14
29	Analytical Applications of a Nanoparticle-Based Sensor for the Determination of Mercury. <i>Electroanalysis</i> , 2012, 24, 727-734.	1.5	14
30	Elemental and lead isotopic composition of atmospheric particulate measured in the Arctic region (Ny-Ålesund, Svalbard Islands). <i>Rendiconti Lincei</i> , 2016, 27, 73-84.	1.0	14
31	Ultrasonically improved semi-hydrogenation of alkynes to (Z)-alkenes over novel lead-free Pd/Boehmite catalysts. <i>Ultrasonics Sonochemistry</i> , 2017, 35, 664-672.	3.8	14
32	Macro and trace elements signature of periodontitis in saliva: A systematic review with quality assessment of ionomics studies. <i>Journal of Periodontal Research</i> , 2022, 57, 30-40.	1.4	14
33	Total and fractionation metal contents obtained with sequential extraction procedures in a sediment core from Terra Nova Bay, West Antarctica. <i>Antarctic Science</i> , 2013, 25, 83-98.	0.5	12
34	Element variability in lacustrine systems of Terra Nova Bay (Antarctica) and concentration evolution in surface waters. <i>Chemosphere</i> , 2017, 180, 343-355.	4.2	12
35	Operational functionalities of air-quality W Sn metal-oxide sensors correlating semiconductor defect levels and surface potential barriers. <i>Science of the Total Environment</i> , 2020, 706, 135731.	3.9	11
36	Modified Screen Printed Electrode Suitable for Electrochemical Measurements in Gas Phase. <i>Analytical Chemistry</i> , 2020, 92, 3689-3696.	3.2	11

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37	The Use of Sequential Extraction Procedures for the Characterization and Management of Contaminated Soils. <i>Annali Di Chimica</i> , 2005, 95, 525-538.	0.6	8
38	Stripping voltammetry for field determination of traces of copper in soil extracts and natural waters. <i>Microchemical Journal</i> , 2019, 149, 104015.	2.3	8
39	Geochemical characterization of a marine sediment core from the Joides Basin, Ross Sea, Antarctica. <i>Marine Geology</i> , 2020, 428, 106286.	0.9	8
40	Spin Multiplicity and Solid-State Electrochemical Behavior in Charge-Transfer Co-crystals of DBTTF/F4TCNQ. <i>Journal of Physical Chemistry C</i> , 2021, 125, 8677-8683.	1.5	8
41	Spin dependent electrochemistry: Focus on chiral vs achiral charge transmission through 2D SAMs adsorbed on gold. <i>Journal of Electroanalytical Chemistry</i> , 2020, 856, 113705.	1.9	7
42	Temporal variability and environmental availability of inorganic constituents in an Antarctic marine sediment core from a polynya area in the Ross Sea. <i>Toxicological and Environmental Chemistry</i> , 2010, 92, 453-475.	0.6	6
43	Comprehensive study on the degradation of ochratoxin A in water by spectroscopic techniques and DFT calculations. <i>RSC Advances</i> , 2019, 9, 19844-19854.	1.7	6
44	The Inorganic Component as a Possible Marker for Quality and for Authentication of the Hazelnut's Origin. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 447.	1.2	6
45	Development of an easy portable procedure for on-site determination of mercury and methylmercury. <i>Food Chemistry</i> , 2021, 342, 128347.	4.2	6
46	Dynamics of inorganic components in lake waters from Terra Nova Bay, Antarctica. <i>Chemosphere</i> , 2017, 183, 454-470.	4.2	5
47	Optimization of a sequential extraction procedure for trace elements in Arctic PM10. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 7429-7440.	1.9	5
48	Inorganic markers profiling in wild type and genetically modified plants subjected to abiotic stresses. <i>Microchemical Journal</i> , 2017, 134, 87-97.	2.3	4
49	Achievability of Municipal Solid Waste Compost for Tea Cultivation with Special Reference to Cadmium. <i>Clean - Soil, Air, Water</i> , 2018, 46, 1800093.	0.7	4
50	Off-line and real-time monitoring of acetaminophen photodegradation by an electrochemical sensor. <i>Chemosphere</i> , 2018, 204, 556-562.	4.2	4
51	Potentially toxic elements in ayurvedic formulations: Total and bioaccessible content. <i>Microchemical Journal</i> , 2018, 136, 236-243.	2.3	4
52	A Portable Setup for the Voltammetric Determination of Total Mercury in Fish with Solid and Nanostructured Gold Electrodes. <i>Molecules</i> , 2019, 24, 1910.	1.7	4
53	Influence of start-up phase of an incinerator on inorganic composition and lead isotope ratios of the atmospheric PM10. <i>Chemosphere</i> , 2021, 266, 129091.	4.2	4
54	Determination of major, minor and trace elements in Glyceric Macerates and Mother Tinctures and in the starting plant materials. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 106, 167-178.	1.4	3

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55	Stripping Voltammetry. , 2018, , 238-238.		3
56	Contribution of the Incinerator to the Inorganic Composition of the PM10 Collected in Turin. Atmosphere, 2020, 11, 400.	1.0	3
57	Chemical Fractionation of Trace Elements in Arctic PM10 Samples. Atmosphere, 2021, 12, 1152.	1.0	2
58	On-Site Determination of Methylmercury by Coupling Solid-Phase Extraction and Voltammetry. Molecules, 2022, 27, 3178.	1.7	2
59	Measuring Standard Potentials of Organic Anions and Inorganic Complexes: An Integrated Approach to Quantum Mechanical and Experimental Methods to Study the Electrochemical Processes. , 2018, , .		0