Francesca Sprovieri

List of Publications by Year
in descending order

77 papers	3,136 citations	212478 28 h-index	190340 53 g-index
95 all docs	95 docs citations	95 times ranked	2662 citing authors

#	Article	IF	Citations
1	Will action taken under the Minamata Convention on Mercury need to be coordinated internationally? Evidence from an optimization study suggests it will. Environmental Science and Policy, 2022, 127, 22-30.	2.4	5
2	Particulate Matter Ionic and Elemental Composition during the Winter Season: A Comparative Study among Rural, Urban and Remote Sites in Southern Italy. Atmosphere, 2022, 13, 356.	1.0	4
3	Mediterranean Mercury Assessment 2022: An Updated Budget, Health Consequences, and Research Perspectives. Environmental Science & Technology, 2022, 56, 3840-3862.	4.6	31
4	Recent applications and novel strategies for mercury determination in environmental samples using microextraction-based approaches: A review. Journal of Hazardous Materials, 2022, 433, 128823.	6.5	12
5	First atmospheric mercury measurements at a coastal site in the Apulia region: seasonal variability and source analysis. Environmental Science and Pollution Research, 2022, , .	2.7	4
6	Multiscale assessment of the impact on air quality of an intense wildfire season in southern Italy. Science of the Total Environment, 2021, 761, 143271.	3.9	15
7	A field intercomparison of three passive air samplers for gaseous mercury in ambient air. Atmospheric Measurement Techniques, 2021, 14, 3657-3672.	1.2	19
8	Analytical study on the primary and secondary organic carbon and elemental carbon in the particulate matter at the high-altitude Monte Curcio GAW station, Italy. Environmental Science and Pollution Research, 2021, 28, 60221-60234.	2.7	9
9	An innovative green protocol for the quantification of benzothiazoles, benzotriazoles and benzosulfonamides in PM10 using microwave-assisted extraction coupled with solid-phase microextraction gas chromatography tandem-mass spectrometry. Environmental Pollution, 2021, 285, 117487.	3.7	14
10	Mercury in precipitated and surface snow at Dome C and a first estimate of mercury depositional fluxes during the Austral summer on the high Antarctic plateau. Atmospheric Environment, 2021, 262, 118634.	1.9	4
11	The GOS4M Knowledge Hub: A web-based effectiveness evaluation platform in support of the Minamata Convention on Mercury. Environmental Science and Policy, 2021, 124, 235-246.	2.4	5
12	Oceanic mercury concentrations on both sides of the Strait of Gibraltar decreased between 1989 and 2012. Anthropocene, 2020, 29, 100230.	1.6	8
13	Agrochemical treatments as a source of heavy metals and rare earth elements in agricultural soils and bioaccumulation in ground beetles. Science of the Total Environment, 2020, 749, 141438.	3.9	59
14	A Chemical Transport Model Emulator for the Interactive Evaluation of Mercury Emission Reduction Scenarios. Atmosphere, 2020, 11, 878.	1.0	5
15	Modification of the EPA method 1631E for the quantification of total mercury in natural waters. MethodsX, 2020, 7, 100987.	0.7	11
16	Increasing the maturity of measurements of essential climate variables (ECVs) at Italian atmospheric WMO/GAW observatories by implementing automated data elaboration chains. Computers and Geosciences, 2020, 137, 104432.	2.0	5
17	Contribution of Volcanic and Fumarolic Emission to the Aerosol in Marine Atmosphere in the Central Mediterranean Sea: Results from Med-Oceanor 2017 Cruise Campaign. Atmosphere, 2020, 11, 149.	1.0	9
18	Scale-Dependent Turbulent Dynamics and Phase-Space Behavior of the Stable Atmospheric Boundary Layer. Atmosphere, 2020, 11, 428.	1.0	4

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19	A multi-year record of atmospheric mercury species at a background mountain station in Andean Patagonia (Argentina): Temporal trends and meteorological influence. Atmospheric Environment, 2019, 214, 116819.	1.9	19
20	Carbonaceous Aerosols Collected at the Observatory of Monte Curcio in the Southern Mediterranean Basin. Atmosphere, 2019, 10, 592.	1.0	14
21	Scaling Properties of Atmospheric Wind Speed in Mesoscale Range. Atmosphere, 2019, 10, 611.	1.0	7
22	In vivo solid-phase microextraction gas chromatography-mass spectrometry (SPME-GC-MS) assay to identify epicuticular profiles across task groups of Apis mellifera ligustica workers. Journal of Entomological and Acarological Research, 2019, 51, .	0.3	3
23	Mercury in Air. , 2019, , 318-324.		0
24	Feedback mechanisms between snow and atmospheric mercury: Results and observations from field campaigns on the Antarctic plateau. Chemosphere, 2018, 197, 306-317.	4.2	13
25	The Superstatistical Nature and Interoccurrence Time of Atmospheric Mercury Concentration Fluctuations. Journal of Geophysical Research D: Atmospheres, 2018, 123, 764-774.	1.2	5
26	Atmospheric mercury species measurements across the Western Mediterranean region: Behaviour and variability during a 2015 research cruise campaign. Atmospheric Environment, 2018, 173, 108-126.	1.9	19
27	Characterizing Atmospheric Transport Pathways to Antarctica and the Remote Southern Ocean Using Radon-222. Frontiers in Earth Science, 2018, 6, .	0.8	37
28	Understanding mercury oxidation and airâ€“snow exchange on the East Antarctic Plateau: a modeling study. Atmospheric Chemistry and Physics, 2018, 18, 15825-15840.	1.9	18
29	Passive Sampling of Gaseous Elemental Mercury Based on a Composite TiO2NP/AuNP Layer. Nanomaterials, 2018, 8, 798.	1.9	8
30	Spatial and taxonomic variation of mercury concentration in low trophic level fauna from the Mediterranean Sea. Ecotoxicology, 2018, 27, 1341-1352.	1.1	7
31	A green approach for organophosphate ester determination in airborne particulate matter: Microwave-assisted extraction using hydroalcoholic mixture coupled with solid-phase microextraction gas chromatography-tandem mass spectrometry. Talanta, 2018, 189, 657-665.	2.9	39
32	Dissolved gaseous mercury (DGM) in the Mediterranean Sea: Spatial and temporal trends. Marine Chemistry, 2017, 193, 8-19.	0.9	22
33	Elemental mercury vapor chemoresistors employing TIO2 nanofibers photocatalytically decorated with Au-nanoparticles. Sensors and Actuators B: Chemical, 2017, 247, 957-967.	4.0	9
34	Particulate-phase mercury emissions from biomass burning and impact on resulting deposition: a modelling assessment. Atmospheric Chemistry and Physics, 2017, 17, 1881-1899.	1.9	32
35	Five-year records of mercury wet deposition flux at GMOS sites in the Northern and Southern hemispheres. Atmospheric Chemistry and Physics, 2017, 17, 2689-2708.	1.9	69
36	Multi-model study of mercury dispersion in the atmosphere: atmospheric processes and model evaluation. Atmospheric Chemistry and Physics, 2017, 17, 5271-5295.	1.9	76

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37	A smart nanofibrous material for adsorbing and detecting elemental mercury in air. Atmospheric Chemistry and Physics, 2017, 17, 6883-6893.	1.9	5
38	Inter-Comparison of Carbon Content in PM2.5 and PM10 Collected at Five Measurement Sites in Southern Italy. Atmosphere, 2017, 8, 243.	1.0	53
39	Sea surface temperature variation linked to elemental mercury concentrations measured on Mauna Loa. Geophysical Research Letters, 2016, 43, 7751-7757.	1.5	21
40	Atmospheric mercury concentrations observed at ground-based monitoring sites globally distributed in the framework of the GMOS network. Atmospheric Chemistry and Physics, 2016, 16, 11915-11935.	1.9	185
41	Chemical cycling and deposition of atmospheric mercury in polar regions: review of recent measurements and comparison with models. Atmospheric Chemistry and Physics, 2016, 16, 10735-10763.	1.9	63
42	New insights into the atmospheric mercury cycling in central Antarctica and implications on a continental scale. Atmospheric Chemistry and Physics, 2016, 16, 8249-8264.	1.9	36
43	Photocatalytically Decorated Au-nanoclusters TiO 2 Nanofibres for Elemental Mercury Vapor Detection. Procedia Engineering, 2015, 120, 422-426.	1.2	4
44	European and Mediterranean mercury modelling: Local and long-range contributions to the deposition flux. Atmospheric Environment, 2015, 117, 162-168.	1.9	16
45	Mercury speciation in the Adriatic Sea. Marine Pollution Bulletin, 2015, 96, 136-148.	2.3	43
46	Data quality through a web-based QA/QC system: implementation for atmospheric mercury data from the global mercury observation system. Environmental Sciences: Processes and Impacts, 2015, 17, 1482-1491.	1.7	29
47	Mercury in the Mediterranean, part I: spatial and temporal trends. Environmental Science and Pollution Research, 2014, 21, 4063-4080.	2.7	26
48	The GMOS cyber(e)-infrastructure: advanced services for supporting science and policy. Environmental Science and Pollution Research, 2014, 21, 4193-4208.	2.7	12
49	Heavy metals in the environment: sources, interactions and human health. Environmental Science and Pollution Research, 2014, 21, 3997-3998.	2.7	8
50	Development and application of a regional-scale atmospheric mercury model based on WRF/Chem: a Mediterranean area investigation. Environmental Science and Pollution Research, 2014, 21, 4095-4109.	2.7	35
51	Corrigendum to "Air-sea exchange and gas-particle partitioning of polycyclic aromatic hydrocarbons in the Mediterranean" published in Atmos. Chem. Phys., 14, 8905â€“8915, 2014. Atmospheric Chemistry and Physics, 2014, 14, 12965-12965.	1.9	0
52	Airâ€“sea exchange and gasâ€“particle partitioning of polycyclic aromatic hydrocarbons in the Mediterranean. Atmospheric Chemistry and Physics, 2014, 14, 8905-8915.	1.9	25
53	Toward the next generation of air quality monitoring: Mercury. Atmospheric Environment, 2013, 80, 599-611.	1.9	86
54	The cycling and seaâ€“air exchange of mercury in the waters of the Eastern Mediterranean during the 2010 MED-OCEANOR cruise campaign. Science of the Total Environment, 2013, 448, 151-162.	3.9	37

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55	Study on the reduction of atmospheric mercury emissions from mine waste enriched soils through native grass cover in the Mt. Amiata region of Italy. Environmental Research, 2013, 125, 69-74.	3.7	17
56	Development of a Ground-Based Atmospheric Monitoring Network for the Global Mercury Observation System (GMOS). E3S Web of Conferences, 2013, 1, 17007.	0.2	9
57	Overview of mercury measurements in the Antarctic troposphere. Atmospheric Chemistry and Physics, 2010, 10, 3309-3319.	1.9	88
58	An investigation of the origins of reactive gaseous mercury in the Mediterranean marine boundary layer. Atmospheric Chemistry and Physics, 2010, 10, 3985-3997.	1.9	79
59	Mercury emission and speciation of coal-fired power plants in China. Atmospheric Chemistry and Physics, 2010, 10, 1183-1192.	1.9	352
60	Standardisation of a European measurement method for the determination of mercury in deposition: results of the field trial campaign and determination of a measurement uncertainty and working range. Accreditation and Quality Assurance, 2010, 15, 359-366.	0.4	20
61	A review of worldwide atmospheric mercury measurements. Atmospheric Chemistry and Physics, 2010, 10, 8245-8265.	1.9	218
62	Overview of major processes and mechanisms affecting the mercury cycle on different spatial and temporal scales. EPJ Web of Conferences, 2010, 9, 3-33.	0.1	10
63	Standardisation of a European measurement method for the determination of total gaseous mercury: results of the field trial campaign and determination of a measurement uncertainty and working range. Journal of Environmental Monitoring, 2010, 12, 689.	2.1	24
64	Spatial and temporal distribution of atmospheric mercury species over the Adriatic Sea. Environmental Fluid Mechanics, 2008, 8, 117-128.	0.7	42
65	Atmospheric mercury at mediterranean coastal stations. Environmental Fluid Mechanics, 2008, 8, 101-116.	0.7	40
66	New Directions: Atmospheric mercury, easy to spot and hard to pin down: impasse?â˜†. Atmospheric Environment, 2008, 42, 8549-8551.	1.9	30
67	Chasing quicksilver northward: mercury chemistry in the Arctic troposphere. Environmental Chemistry, 2008, 5, 131.	0.7	28
68	Seasonal and daily variation of mercury evasion at coastal and off shore sites from the Mediterranean Sea. Marine Chemistry, 2007, 104, 214-226.	0.9	113
69	Mercury speciation in surface and deep waters of the Mediterranean Sea. Marine Chemistry, 2007, 107, 13-30.	0.9	109
70	Integrated mercury cycling, transport, and air-water exchange (MECAWEx) model. Journal of Geophysical Research, 2006, 111, .	3.3	32
71	Atmospheric mercury behavior at different altitudes at Ny Alesund during Spring 2003. Atmospheric Environment, 2005, 39, 7646-7656.	1.9	31
72	Oxidation of Gaseous Elemental Mercury to Gaseous Divalent Mercury during 2003 Polar Sunrise at Ny-Alesund. Environmental Science & Technology, 2005, 39, 9156-9165.	4.6	37

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73	Mercury speciation in the marine boundary layer along a 6000km cruise path around the Mediterranean Sea. Atmospheric Environment, 2003, 37, 63-71.	1.9	124
74	Dynamic processes of mercury over the Mediterranean region: results from the Mediterranean Atmospheric Mercury Cycle System (MAMCS) project. Atmospheric Environment, 2003, 37, 21-39.	1.9	69
75	Intensive atmospheric mercury measurements at Terra Nova Bay in Antarctica during November and December 2000. Journal of Geophysical Research, 2002, 107, ACH 20-1-ACH 20-8.	3.3	78
76	Intercomparison of methods for sampling and analysis of atmospheric mercury species. Atmospheric Environment, 2001, 35, 3007-3017.	1.9	154
77	Atmospheric mercury distribution in Northern Europe and in the Mediterranean region. Atmospheric Environment, 2001, 35, 3019-3025.	1.9	115