

# Stefano Covelli

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2412920/stefano-covelli-publications-by-citations.pdf>  
**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76 papers	2,685 citations	26 h-index	50 g-index
81 ext. papers	3,034 ext. citations	4.7 avg, IF	4.94 L-index

#	Paper	IF	Citations
76	Application of a normalization procedure in determining regional geochemical baselines. <i>Environmental Geology</i> , <b>1997</b> , 30, 34-45		268
75	Mercury contamination of coastal sediments as the result of long-term cinnabar mining activity (Gulf of Trieste, northern Adriatic sea). <i>Applied Geochemistry</i> , <b>2001</b> , 16, 541-558	3.5	188
74	Porewater Distribution and Benthic Flux Measurements of Mercury and Methylmercury in the Gulf of Trieste (Northern Adriatic Sea). <i>Estuarine, Coastal and Shelf Science</i> , <b>1999</b> , 48, 415-428	2.9	156
73	Carbon and nitrogen isotope compositions of organic matter in coastal marine sediments (the Gulf of Trieste, N Adriatic Sea): indicators of sources and preservation. <i>Marine Chemistry</i> , <b>2005</b> , 95, 163-181	3.7	154
72	Mercury in contaminated coastal environments; a case study: the Gulf of Trieste. <i>Science of the Total Environment</i> , <b>1999</b> , 237-238, 43-56	10.2	153
71	Mercury Speciation in Sediments Affected by Dumped Mining Residues in the Drainage Area of the Idrija Mercury Mine, Slovenia. <i>Environmental Science &amp; Technology</i> , <b>2000</b> , 34, 3330-3336	10.3	145
70	Mercury and methylmercury in the Gulf of Trieste (northern Adriatic Sea). <i>Science of the Total Environment</i> , <b>2003</b> , 304, 315-26	10.2	94
69	Benthic fluxes of mercury species in a lagoon environment (Grado Lagoon, Northern Adriatic Sea, Italy). <i>Applied Geochemistry</i> , <b>2008</b> , 23, 529-546	3.5	90
68	Organotins (TBT and DBT) in water, sediments, and gastropods of the southern Venice lagoon (Italy). <i>Marine Pollution Bulletin</i> , <b>2007</b> , 55, 425-35	6.7	84
67	Anthropogenic markers in the Holocene stratigraphic sequence of the Gulf of Trieste (northern Adriatic Sea). <i>Marine Geology</i> , <b>2006</b> , 230, 29-51	3.3	82
66	Recent contamination of mercury in an estuarine environment (Marano lagoon, Northern Adriatic, Italy). <i>Estuarine, Coastal and Shelf Science</i> , <b>2009</b> , 82, 273-284	2.9	70
65	Mercury in the sediments of the Marano and Grado Lagoon (northern Adriatic Sea): Sources, distribution and speciation. <i>Estuarine, Coastal and Shelf Science</i> , <b>2012</b> , 113, 20-31	2.9	62
64	Microphytobenthos in the Gulf of Trieste (Northern Adriatic Sea): Relationship with Labile Sedimentary Organic Matter and Nutrients. <i>Estuarine, Coastal and Shelf Science</i> , <b>2002</b> , 55, 259-273	2.9	62
63	Mercury contamination in Marano Lagoon (Northern Adriatic sea, Italy): Source identification by analyses of Hg phases. <i>Applied Geochemistry</i> , <b>2005</b> , 20, 1546-1559	3.5	59
62	Mercury methylation and demethylation in Hg-contaminated lagoon sediments (Marano and Grado Lagoon, Italy). <i>Estuarine, Coastal and Shelf Science</i> , <b>2012</b> , 113, 85-95	2.9	52
61	Historical flux of mercury associated with mining and industrial sources in the Marano and Grado Lagoon (northern Adriatic Sea). <i>Estuarine, Coastal and Shelf Science</i> , <b>2012</b> , 113, 7-19	2.9	51
60	Transport and dispersion of particulate Hg associated with a river plume in coastal Northern Adriatic environments. <i>Marine Pollution Bulletin</i> , <b>2007</b> , 55, 436-50	6.7	51

59	Spatial variation, speciation and sedimentary records of mercury in the Guanabara Bay (Rio de Janeiro, Brazil). <i>Continental Shelf Research</i> , <b>2012</b> , 35, 29-42	2.4	49
58	Heavy metal contamination in sediments of an artificial reservoir impacted by long-term mining activity in the Almad� mercury district (Spain). <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 6024-38	5.1	43
57	Benthic fluxes of oxygen, carbon and nutrients in the Marano and Grado Lagoon (northern Adriatic Sea, Italy). <i>Estuarine, Coastal and Shelf Science</i> , <b>2012</b> , 113, 57-70	2.9	40
56	Occurrence and speciation of arsenic and mercury in estuarine sediments affected by mining activities (Asturias, northern Spain). <i>Chemosphere</i> , <b>2018</b> , 198, 281-289	8.4	39
55	Benthic biogeochemical cycling of mercury in two contaminated northern Adriatic coastal lagoons. <i>Continental Shelf Research</i> , <b>2011</b> , 31, 1777-1789	2.4	39
54	Does anoxia affect mercury cycling at the sediment-water interface in the Gulf of Trieste (northern Adriatic Sea)? Incubation experiments using benthic flux chambers. <i>Applied Geochemistry</i> , <b>2011</b> , 26, 194-204	2.5	38
53	Behaviour of Hg species in a microtidal deltaic system: the Isonzo River mouth (northern Adriatic Sea). <i>Science of the Total Environment</i> , <b>2006</b> , 368, 210-23	10.2	37
52	Mercury in sediments and <i>Nassarius reticulatus</i> (Gastropoda Prosobranchia) in the southern Venice Lagoon. <i>Science of the Total Environment</i> , <b>2006</b> , 368, 298-305	10.2	33
51	Benthic flux measurements of Hg species in a northern Adriatic lagoon environment (Marano and Grado Lagoon, Italy). <i>Estuarine, Coastal and Shelf Science</i> , <b>2012</b> , 113, 71-84	2.9	30
50	Sediment quality assessment in a coastal lagoon (Ravenna, NE Italy) based on SEM-AVS and sequential extraction procedure. <i>Science of the Total Environment</i> , <b>2018</b> , 635, 216-227	10.2	26
49	Bioaccumulation of mercury in reared and wild <i>Ruditapes philippinarum</i> of a Mediterranean lagoon. <i>Estuarine, Coastal and Shelf Science</i> , <b>2012</b> , 113, 116-125	2.9	24
48	Oxygen, carbon, and nutrient exchanges at the sediment-water interface in the Mar Piccolo of Taranto (Ionian Sea, southern Italy). <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 12566-81	5.1	23
47	The effects of resuspension on the fate of Hg in contaminated sediments (Marano and Grado Lagoon, Italy): Short-term simulation experiments. <i>Estuarine, Coastal and Shelf Science</i> , <b>2012</b> , 113, 32-40	2.9	23
46	Distribution and morphological abnormalities of recent foraminifera in the Marano and Grado Lagoon (North Adriatic Sea, Italy). <i>Mediterranean Marine Science</i> , <b>2013</b> , 14, 432	2.7	23
45	Mercury in lagoons: An overview of the importance of the link between geochemistry and biology. <i>Estuarine, Coastal and Shelf Science</i> , <b>2012</b> , 113, 126-132	2.9	22
44	Mobility and fate of Thallium and other potentially harmful elements in drainage waters from a decommissioned Zn-Pb mine (North-Eastern Italian Alps). <i>Journal of Geochemical Exploration</i> , <b>2018</b> , 188, 1-10	3.8	21
43	Mobility of heavy metals from polluted sediments of a semi-enclosed basin: in situ benthic chamber experiments in Taranto's Mar Piccolo (Ionian Sea, Southern Italy). <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 12582-95	5.1	21
42	Bioaccumulation of thallium and other trace metals in <i>Biscutella laevigata</i> nearby a decommissioned zinc-lead mine (Northeastern Italian Alps). <i>Journal of Environmental Management</i> , <b>2017</b> , 186, 214-224	7.9	19

41	Trace metal pollution in freshwater sediments of the world's largest mercury mining district: sources, spatial distribution, and environmental implications. <i>Journal of Soils and Sediments</i> , <b>2017</b> , 17, 1893-1904	3.4	19
40	Benthic nutrient cycling at the sediment-water interface in a lagoon fish farming system (northern Adriatic Sea, Italy). <i>Science of the Total Environment</i> , <b>2018</b> , 644, 137-149	10.2	16
39	Morphoneotectonics and lithology of the eastern sector of the Gulf of Trieste (NE Italy). <i>Journal of Maps</i> , <b>2016</b> , 12, 936-946	2.2	15
38	Impact of mussel farming on sedimentary geochemical properties of a Northern Adriatic area influenced by freshwater inflows. <i>Estuarine, Coastal and Shelf Science</i> , <b>2013</b> , 129, 49-58	2.9	15
37	Historical accumulation of potentially toxic trace elements resulting from mining activities in estuarine salt marshes sediments of the Asturias coastline (northern Spain). <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 3115-3128	5.1	15
36	Mobility of metal(loid)s at the sediment-water interface in two tourist port areas of the Gulf of Trieste (northern Adriatic Sea). <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 26887-26902	5.1	14
35	Potential bioaccumulation of trace metals in halophytes from salt marshes of a northern Adriatic coastal lagoon. <i>Journal of Soils and Sediments</i> , <b>2017</b> , 17, 1986-1998	3.4	12
34	Diurnal fluxes of gaseous elemental mercury from the water-air interface in coastal environments of the northern Adriatic Sea. <i>Science of the Total Environment</i> , <b>2019</b> , 668, 925-935	10.2	12
33	Suspended particulate mercury associated with tidal fluxes in a lagoon environment impacted by cinnabar mining activity (northern Adriatic Sea). <i>Journal of Environmental Sciences</i> , <b>2018</b> , 68, 100-113	6.4	12
32	Evaluation of mercury biogeochemical cycling at the sediment-water interface in anthropogenically modified lagoon environments. <i>Journal of Environmental Sciences</i> , <b>2018</b> , 68, 5-23	6.4	12
31	Historical sedimentary trends of mercury and other trace elements from two saltmarshes of the Marano and Grado lagoon (northern Adriatic Sea). <i>Journal of Soils and Sediments</i> , <b>2017</b> , 17, 1972-1985	3.4	11
30	Anthropocene footprint in the Nal's estuarine sediments (northern Spain). <i>Marine Geology</i> , <b>2020</b> , 424, 106167	3.3	11
29	Mercury uptake by halophytes in response to a long-term contamination in coastal wetland salt marshes (northern Adriatic Sea). <i>Environmental Geochemistry and Health</i> , <b>2017</b> , 39, 1273-1289	4.7	11
28	Partitioning and mixing behaviour of trace elements at the Isonzo/Soča River mouth (Gulf of Trieste, northern Adriatic Sea). <i>Marine Chemistry</i> , <b>2020</b> , 223, 103800	3.7	11
27	A laboratory-incubated redox oscillation experiment to investigate Hg fluxes from highly contaminated coastal marine sediments (Gulf of Trieste, Northern Adriatic Sea). <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 4124-33	5.1	10
26	Sequential extraction procedure as a tool to investigate PTHE geochemistry and potential geoavailability of dam sediments (Almadén mining district, Spain). <i>Catena</i> , <b>2016</b> , 147, 394-403	5.8	10
25	Sedimentary Record of Polycyclic Aromatic Hydrocarbons in the Gulf of Trieste (Northern Adriatic Sea). <i>Water, Air and Soil Pollution</i> , <b>2006</b> , 6, 605-614		9
24	Mercury and arsenic mobility in resuspended contaminated estuarine sediments (Asturias, Spain): A laboratory-based study. <i>Science of the Total Environment</i> , <b>2020</b> , 744, 140870	10.2	9

23	The MIRACLE Project: An integrated approach to understanding biogeochemical cycling of mercury and its relationship with lagoon clam farming. <i>Estuarine, Coastal and Shelf Science</i> , <b>2012</b> , 113, 1-6	2.9	8
22	Tin free antifouling paints as potential contamination source of metals in sediments and gastropods of the southern Venice lagoon. <i>Continental Shelf Research</i> , <b>2012</b> , 45, 34-41	2.4	8
21	Trace elements in the estuarine systems of the Gulf of Trieste (northern Adriatic Sea): A chemometric approach to depict partitioning and behaviour of particulate, colloidal and truly dissolved fractions. <i>Chemosphere</i> , <b>2020</b> , 252, 126517	8.4	6
20	Chlor-alkali plant contamination of Aussa River sediments induced a large Hg-resistant bacterial community. <i>Estuarine, Coastal and Shelf Science</i> , <b>2012</b> , 113, 96-104	2.9	6
19	Spatial and Temporal Trends of Gaseous Elemental Mercury over a Highly Impacted Coastal Environment (Northern Adriatic, Italy). <i>Atmosphere</i> , <b>2020</b> , 11, 935	2.7	6
18	Controls on microbial mercury transformations in contaminated sediments downstream of the Idrija mercury mine (West Slovenia) to the Gulf of Trieste (northern Adriatic). <i>Journal of Soils and Sediments</i> , <b>2017</b> , 17, 1961-1971	3.4	5
17	Organotin compounds in touristic marinas of the northern Adriatic Sea: occurrence, speciation and potential recycling at the sediment-water interface. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 31142-31157	5.1	5
16	Terrestrial-marine continuum of sedimentary natural organic matter in a mid-latitude estuarine system. <i>Journal of Soils and Sediments</i> , <b>2020</b> , 20, 1074-1086	3.4	5
15	Mercury vertical and horizontal concentrations in agricultural soils of a historically contaminated site: Role of soil properties, chemical loading, and cultivated plant species in driving its mobility. <i>Environmental Pollution</i> , <b>2021</b> , 285, 117467	9.3	5
14	Spatial Distribution and Biomonitoring of Atmospheric Mercury Concentrations over a Contaminated Coastal Lagoon (Northern Adriatic, Italy). <i>Atmosphere</i> , <b>2020</b> , 11, 1280	2.7	4
13	Dissolved Gaseous Mercury Production at a Marine Aquaculture Site in the Mercury-Contaminated Marano and Grado Lagoon, Italy. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2019</b> , 103, 218-224	2.7	3
12	DoE optimization of a mercury isotope ratio determination method for environmental studies. <i>Talanta</i> , <b>2016</b> , 152, 179-87	6.2	3
11	Can Sediments Contaminated by Mining be a Source of Mercury in the Coastal Environment Due to Dredging? Evidence from Thermo-Desorption and Chemical Speciation. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2021</b> , 106, 942-948	2.7	3
10	The Role of a Tidal Flat/Baltmarsh System as a Source/Sink of Mercury in a Contaminated Coastal Lagoon Environment (Northern Adriatic Sea). <i>Aquatic Geochemistry</i> , <b>2020</b> , 26, 245-267	1.7	3
9	Occurrence and speciation of arsenic and mercury in alluvial and coastal sediments. <i>Current Opinion in Environmental Science and Health</i> , <b>2021</b> , 22, 100272	8.1	3
8	Monitoring of percolation water to discriminate surficial inputs in a karst aquifer. <i>Environmental Geology</i> , <b>1998</b> , 36, 296-304		2
7	Legacy of Past Mining Activity Affecting the Present Distribution of Dissolved and Particulate Mercury and Methylmercury in an Estuarine Environment (Nalá River, Northern Spain). <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 4396	2.6	2
6	Distribution, Mobility and Fate of Trace Elements in an Estuarine System Under Anthropogenic Pressure: the Case of the Karstic Timavo River (Northern Adriatic Sea, Italy). <i>Estuaries and Coasts</i> , <b>2021</b> , 44, 1831-1847	2.8	2

- 5 Advances in Our Understanding of Pelagic-Benthic Coupling. *Geophysical Monograph Series*, **2020**, 147-175.1 ○
- 4 Behaviour of Metal(loid)s at the Sediment-Water Interface in an Aquaculture Lagoon Environment (Grado Lagoon, Northern Adriatic Sea, Italy). *Applied Sciences (Switzerland)*, **2021**, 11, 2350 2.6 ○
- 3 Metal Binding and Sources of Humic Substances in Recent Sediments from the Cananéia-Iguape Estuarine-Lagoon Complex (South-Eastern Brazil). *Applied Sciences (Switzerland)*, **2021**, 11, 8466 2.6 ○
- 2 Sedimentary Record of Polycyclic Aromatic Hydrocarbons in the Gulf of Trieste (Northern Adriatic Sea) **2006**, 241-250
- 1 Electron donating properties of humic acids in saltmarsh soils reflect soil geochemical characteristics. *Geoderma*, **2022**, 419, 115872 6.7