

Stefano Covelli

List of Publications by Year in Descending Order

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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	Electron donating properties of humic acids in saltmarsh soils reflect soil geochemical characteristics. <i>Geoderma</i> , 2022 , 419, 115872	6.7	
75	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> , 2021 , 106, 942-948	2.7	3
74	Legacy of Past Mining Activity Affecting the Present Distribution of Dissolved and Particulate Mercury and Methylmercury in an Estuarine Environment (Nalón River, Northern Spain). <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4396	2.6	2
73	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> , 2021 , 44, 1831-1847	2.8	2
72	Behaviour of Metal(loid)s at the Sediment-Water Interface in an Aquaculture Lagoon Environment (Grado Lagoon, Northern Adriatic Sea, Italy). <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2350	2.6	0
71	Occurrence and speciation of arsenic and mercury in alluvial and coastal sediments. <i>Current Opinion in Environmental Science and Health</i> , 2021 , 22, 100272	8.1	3
70	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> , 2021 , 285, 117467	9.3	5
69	Metal Binding and Sources of Humic Substances in Recent Sediments from the Cananã-Iguape Estuarine-Lagoon Complex (South-Eastern Brazil). <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8466	2.6	0
68	Anthropocene footprint in the Nalón estuarine sediments (northern Spain). <i>Marine Geology</i> , 2020 , 424, 106167	3.3	11
67	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> , 2020 , 252, 126517	8.4	6
66	Advances in Our Understanding of Pelagic-Benthic Coupling. <i>Geophysical Monograph Series</i> , 2020 , 147-175	5.1	0
65	Spatial and Temporal Trends of Gaseous Elemental Mercury over a Highly Impacted Coastal Environment (Northern Adriatic, Italy). <i>Atmosphere</i> , 2020 , 11, 935	2.7	6
64	Mercury and arsenic mobility in resuspended contaminated estuarine sediments (Asturias, Spain): A laboratory-based study. <i>Science of the Total Environment</i> , 2020 , 744, 140870	10.2	9
63	Spatial Distribution and Biomonitoring of Atmospheric Mercury Concentrations over a Contaminated Coastal Lagoon (Northern Adriatic, Italy). <i>Atmosphere</i> , 2020 , 11, 1280	2.7	4
62	Terrestrial-marine continuum of sedimentary natural organic matter in a mid-latitude estuarine system. <i>Journal of Soils and Sediments</i> , 2020 , 20, 1074-1086	3.4	5
61	The Role of a Tidal Flat-Saltmarsh System as a Source-Sink of Mercury in a Contaminated Coastal Lagoon Environment (Northern Adriatic Sea). <i>Aquatic Geochemistry</i> , 2020 , 26, 245-267	1.7	3
60	Partitioning and mixing behaviour of trace elements at the Isonzo/Soča River mouth (Gulf of Trieste, northern Adriatic Sea). <i>Marine Chemistry</i> , 2020 , 223, 103800	3.7	11

59	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> , 2019 , 26, 31142-31157	5.1	5
58	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> , 2019 , 103, 218-224	2.7	3
57	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> , 2019 , 668, 925-935	10.2	12
56	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> , 2019 , 26, 3115-3128	5.1	15
55	Occurrence and speciation of arsenic and mercury in estuarine sediments affected by mining activities (Asturias, northern Spain). <i>Chemosphere</i> , 2018 , 198, 281-289	8.4	39
54	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> , 2018 , 68, 100-113	6.4	12
53	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> , 2018 , 188, 1-10	3.8	21
52	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> , 2018 , 635, 216-227	10.2	26
51	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> , 2018 , 644, 137-149	10.2	16
50	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> , 2018 , 25, 26887-26902	5.1	14
49	Evaluation of mercury biogeochemical cycling at the sediment-water interface in anthropogenically modified lagoon environments. <i>Journal of Environmental Sciences</i> , 2018 , 68, 5-23	6.4	12
48	Potential bioaccumulation of trace metals in halophytes from salt marshes of a northern Adriatic coastal lagoon. <i>Journal of Soils and Sediments</i> , 2017 , 17, 1986-1998	3.4	12
47	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> , 2017 , 17, 1961-1971	3.4	5
46	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> , 2017 , 17, 1972-1985	3.4	11
45	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> , 2017 , 186, 214-224	7.9	19
44	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> , 2017 , 17, 1893-1904	3.4	19
43	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> , 2017 , 39, 1273-1289	4.7	11
42	Heavy metal contamination in sediments of an artificial reservoir impacted by long-term mining activity in the Almadén mercury district (Spain). <i>Environmental Science and Pollution Research</i> , 2016 , 23, 6024-38	5.1	43

41	DoE optimization of a mercury isotope ratio determination method for environmental studies. <i>Talanta</i> , 2016 , 152, 179-87	6.2	3
40	Morphoneotectonics and lithology of the eastern sector of the Gulf of Trieste (NE Italy). <i>Journal of Maps</i> , 2016 , 12, 936-946	2.2	15
39	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> , 2016 , 23, 12566-81	5.1	23
38	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> , 2016 , 23, 12582-95	5.1	21
37	Sequential extraction procedure as a tool to investigate PTHE geochemistry and potential geoavailability of dam sediments (Almad� mining district, Spain). <i>Catena</i> , 2016 , 147, 394-403	5.8	10
36	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> , 2014 , 21, 4124-33	5.1	10
35	Impact of mussel farming on sedimentary geochemical properties of a Northern Adriatic area influenced by freshwater inflows. <i>Estuarine, Coastal and Shelf Science</i> , 2013 , 129, 49-58	2.9	15
34	Distribution and morphological abnormalities of recent foraminifera in the Marano and Grado Lagoon (North Adriatic Sea, Italy). <i>Mediterranean Marine Science</i> , 2013 , 14, 432	2.7	23
33	Spatial variation, speciation and sedimentary records of mercury in the Guanabara Bay (Rio de Janeiro, Brazil). <i>Continental Shelf Research</i> , 2012 , 35, 29-42	2.4	49
32	Mercury methylation and demethylation in Hg-contaminated lagoon sediments (Marano and Grado Lagoon, Italy). <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 113, 85-95	2.9	52
31	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> , 2012 , 113, 32-40	2.9	23
30	Mercury in the sediments of the Marano and Grado Lagoon (northern Adriatic Sea): Sources, distribution and speciation. <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 113, 20-31	2.9	62
29	Mercury in lagoons: An overview of the importance of the link between geochemistry and biology. <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 113, 126-132	2.9	22
28	Benthic flux measurements of Hg species in a northern Adriatic lagoon environment (Marano and Grado Lagoon, Italy). <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 113, 71-84	2.9	30
27	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> , 2012 , 113, 7-19	2.9	51
26	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> , 2012 , 113, 1-6	2.9	8
25	Bioaccumulation of mercury in reared and wild <i>Ruditapes philippinarum</i> of a Mediterranean lagoon. <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 113, 116-125	2.9	24
24	Tin free antifouling paints as potential contamination source of metals in sediments and gastropods of the southern Venice lagoon. <i>Continental Shelf Research</i> , 2012 , 45, 34-41	2.4	8

23	Benthic fluxes of oxygen, carbon and nutrients in the Marano and Grado Lagoon (northern Adriatic Sea, Italy). <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 113, 57-70	2.9	40
22	Chlor-alkali plant contamination of Aussa River sediments induced a large Hg-resistant bacterial community. <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 113, 96-104	2.9	6
21	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> , 2011 , 26, 194-204	3.5	38
20	Benthic biogeochemical cycling of mercury in two contaminated northern Adriatic coastal lagoons. <i>Continental Shelf Research</i> , 2011 , 31, 1777-1789	2.4	39
19	Recent contamination of mercury in an estuarine environment (Marano lagoon, Northern Adriatic, Italy). <i>Estuarine, Coastal and Shelf Science</i> , 2009 , 82, 273-284	2.9	70
18	Benthic fluxes of mercury species in a lagoon environment (Grado Lagoon, Northern Adriatic Sea, Italy). <i>Applied Geochemistry</i> , 2008 , 23, 529-546	3.5	90
17	Organotins (TBT and DBT) in water, sediments, and gastropods of the southern Venice lagoon (Italy). <i>Marine Pollution Bulletin</i> , 2007 , 55, 425-35	6.7	84
16	Transport and dispersion of particulate Hg associated with a river plume in coastal Northern Adriatic environments. <i>Marine Pollution Bulletin</i> , 2007 , 55, 436-50	6.7	51
15	Anthropogenic markers in the Holocene stratigraphic sequence of the Gulf of Trieste (northern Adriatic Sea). <i>Marine Geology</i> , 2006 , 230, 29-51	3.3	82
14	Mercury in sediments and <i>Nassarius reticulatus</i> (Gastropoda Prosobranchia) in the southern Venice Lagoon. <i>Science of the Total Environment</i> , 2006 , 368, 298-305	10.2	33
13	Behaviour of Hg species in a microtidal deltaic system: the Isonzo River mouth (northern Adriatic Sea). <i>Science of the Total Environment</i> , 2006 , 368, 210-23	10.2	37
12	Sedimentary Record of Polycyclic Aromatic Hydrocarbons in the Gulf of Trieste (Northern Adriatic Sea). <i>Water, Air and Soil Pollution</i> , 2006 , 6, 605-614		9
11	Sedimentary Record of Polycyclic Aromatic Hydrocarbons in the Gulf of Trieste (Northern Adriatic Sea) 2006 , 241-250		
10	Mercury contamination in Marano Lagoon (Northern Adriatic sea, Italy): Source identification by analyses of Hg phases. <i>Applied Geochemistry</i> , 2005 , 20, 1546-1559	3.5	59
9	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> , 2005 , 95, 163-181	3.7	154
8	Mercury and methylmercury in the Gulf of Trieste (northern Adriatic Sea). <i>Science of the Total Environment</i> , 2003 , 304, 315-26	10.2	94
7	Microphytobenthos in the Gulf of Trieste (Northern Adriatic Sea): Relationship with Labile Sedimentary Organic Matter and Nutrients. <i>Estuarine, Coastal and Shelf Science</i> , 2002 , 55, 259-273	2.9	62
6	Mercury contamination of coastal sediments as the result of long-term cinnabar mining activity (Gulf of Trieste, northern Adriatic sea). <i>Applied Geochemistry</i> , 2001 , 16, 541-558	3.5	188

5	Mercury Speciation in Sediments Affected by Dumped Mining Residues in the Drainage Area of the Idrija Mercury Mine, Slovenia. <i>Environmental Science & Technology</i> , 2000 , 34, 3330-3336	10.3	145
4	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> , 1999 , 48, 415-428	2.9	156
3	Mercury in contaminated coastal environments; a case study: the Gulf of Trieste. <i>Science of the Total Environment</i> , 1999 , 237-238, 43-56	10.2	153
2	Monitoring of percolation water to discriminate surficial inputs in a karst aquifer. <i>Environmental Geology</i> , 1998 , 36, 296-304		2
1	Application of a normalization procedure in determining regional geochemical baselines. <i>Environmental Geology</i> , 1997 , 30, 34-45		268