

Daniel Cossa

List of Publications by Year in descending order

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70
papers

4,137
citations

101543

36
h-index

114465

63
g-index

72
all docs

72
docs citations

72
times ranked

4068
citing authors

#	ARTICLE	IF	CITATIONS
1	The GEOTRACES Intermediate Data Product 2017. <i>Chemical Geology</i> , 2018, 493, 210-223.	3.3	257
2	The origin of methylmercury in open Mediterranean waters. <i>Limnology and Oceanography</i> , 2009, 54, 837-844.	3.1	219
3	Mercury in the Southern Ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4037-4052.	3.9	209
4	Atmospheric mercury concentrations observed at ground-based monitoring sites globally distributed in the framework of the GMOS network. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11915-11935.	4.9	185
5	Trace metal distribution, partition and fluxes in the Seine estuary (France) in low discharge regime. <i>Marine Chemistry</i> , 1994, 47, 145-158.	2.3	175
6	Mercury in Sediments and Sediment Pore Water in the Laurentian Trough. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1993, 50, 1794-1800.	1.4	152
7	The distribution and cycling of mercury species in the western Mediterranean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1997, 44, 721-740.	1.4	152
8	Methyl mercury distributions in relation to the presence of nano- and picophytoplankton in an oceanic water column (Ligurian Sea, North-western Mediterranean). <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5549-5559.	3.9	149
9	Cadmium diagenesis in Laurentian Trough sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1987, 51, 589-596.	3.9	143
10	Mercury in 16 demersal sharks from southeast Australia: Biotic and abiotic sources of variation and consumer health implications. <i>Marine Environmental Research</i> , 2010, 69, 18-26.	2.5	133
11	Speciation and sorption of mercury in two macro-tidal estuaries. <i>Marine Chemistry</i> , 1997, 58, 213-227.	2.3	120
12	Metal biogeochemistry in the Tinto-Odiel rivers (Southern Spain) and in the Gulf of Cadiz: a synthesis of the results of TOROS project. <i>Continental Shelf Research</i> , 2001, 21, 1961-1973.	1.8	116
13	Influences of Bioavailability, Trophic Position, and Growth on Methylmercury in Hakes (<i>Merluccius merluccius</i>) from Northwestern Mediterranean and Northeastern Atlantic. <i>Environmental Science & Technology</i> , 2012, 46, 4885-4893.	10.0	94
14	Mercury speciation in the Lower St. Lawrence Estuary. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2000, 57, 138-147.	1.4	88
15	Springtime changes in snow chemistry lead to new insights into mercury methylation in the Arctic. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6263-6275.	3.9	84
16	Mercury transformations and exchanges in a high turbidity estuary. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 3329-3345.	3.9	83
17	Mobility and fluxes of trace elements and nutrients at the sediment-water interface of a lagoon under contrasting water column oxygenation conditions. <i>Applied Geochemistry</i> , 2013, 31, 35-51.	3.0	80
18	Sexual maturation as a source of variation in the relationship between cadmium concentration and body weight of <i>Mytilus edulis</i> L. <i>Marine Pollution Bulletin</i> , 1979, 10, 174-176.	5.0	79

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19	Synergic Effect of Gold Mining and Damming on Mercury Contamination in Fish. <i>Environmental Science & Technology</i> , 2005, 39, 2448-2454.	10.0	77
20	In situ adsorption of mercury, methylmercury and other elements by iron oxyhydroxides and organic matter in lake sediments. <i>Applied Geochemistry</i> , 2010, 25, 984-995.	3.0	75
21	Shallow methylmercury production in the marginal sea ice zone of the central Arctic Ocean. <i>Scientific Reports</i> , 2015, 5, 10318.	3.3	70
22	Sources and Fluxes of Mercury in the St. Lawrence River. <i>Environmental Science & Technology</i> , 1999, 33, 840-849.	10.0	63
23	Differential biomagnification of PCB, PBDE, Hg and Radiocesium in the food web of the European hake from the NW Mediterranean. <i>Marine Pollution Bulletin</i> , 2012, 64, 974-983.	5.0	63
24	Dimethylmercury formation in the Alboran Sea. <i>Marine Pollution Bulletin</i> , 1994, 28, 381-384.	5.0	58
25	Mercury in the Rhône delta and adjacent marine areas. <i>Marine Chemistry</i> , 1991, 36, 291-302.	2.3	55
26	The Mediterranean Mercury Anomaly, a Geochemical or a Biological Issue. <i>Handbook of Environmental Chemistry</i> , 2005, , 177-208.	0.4	51
27	Trace elements in the sediments of a large Mediterranean marina (Port Camargue, France): Levels and contamination history. <i>Marine Pollution Bulletin</i> , 2013, 73, 78-85.	5.0	51
28	Total mercury in the water column near the shelf edge of the European continental margin. <i>Marine Chemistry</i> , 2004, 90, 21-29.	2.3	50
29	Trace metal concentrations in the North-western Mediterranean atmospheric aerosol between 1986 and 2008: Seasonal patterns and decadal trends. <i>Science of the Total Environment</i> , 2010, 408, 2629-2638.	8.0	48
30	Mercury dynamics in lake sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 82, 92-112.	3.9	48
31	Dissolved mercury behaviour in the Saint Lawrence estuary. <i>Estuarine, Coastal and Shelf Science</i> , 1988, 26, 227-230.	2.1	44
32	Mercury speciation in the Adriatic Sea. <i>Marine Pollution Bulletin</i> , 2015, 96, 136-148.	5.0	43
33	Hydrological and biogeochemical dynamics of the minor and trace elements in the St. Lawrence River. <i>Applied Geochemistry</i> , 2005, 20, 1391-1408.	3.0	42
34	Determining provenance of marine metal pollution in French bivalves using Cd, Zn and Pb isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 121, 155-167.	3.9	42
35	Origin and accumulation of trace elements in sediments of the northwestern Mediterranean margin. <i>Chemical Geology</i> , 2014, 380, 61-73.	3.3	41
36	Natural and anthropogenic trace metals in sediments of the Ligurian Sea (Northwestern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,62 Td (M	3.3	38

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37	Vertical distributions of Sb(III) and Sb(V) in Pavin Lake, France. <i>Water Research</i> , 1997, 31, 671-674.	11.3	37
38	The open sea as the main source of methylmercury in the water column of the Gulf of Lions (Northwestern Mediterranean margin). <i>Geochimica Et Cosmochimica Acta</i> , 2017, 199, 222-237.	3.9	35
39	Monomethylmercury sources in a tropical artificial reservoir. <i>Applied Geochemistry</i> , 2008, 23, 1101-1126.	3.0	34
40	A Michaelis-Menten type equation for describing methylmercury dependence on inorganic mercury in aquatic sediments. <i>Biogeochemistry</i> , 2014, 119, 35-43.	3.5	34
41	Mercury transport in waters of the strait of dover. <i>Marine Pollution Bulletin</i> , 1994, 28, 385-388.	5.0	32
42	Mediterranean Mercury Assessment 2022: An Updated Budget, Health Consequences, and Research Perspectives. <i>Environmental Science & Technology</i> , 2022, 56, 3840-3862.	10.0	31
43	Mercury Distribution and Methylmercury Mobility in the Sediments of Three Sites on the Lebanese Coast, Eastern Mediterranean. <i>Archives of Environmental Contamination and Toxicology</i> , 2011, 60, 394-405.	4.1	29
44	Mercury distribution and transport in the North Atlantic Ocean along the GEOTRACES-GA01 transect. <i>Biogeosciences</i> , 2018, 15, 2309-2323.	3.3	29
45	Mercury distribution and exchanges between the Amazon River and connected floodplain lakes. <i>Science of the Total Environment</i> , 2009, 407, 6073-6084.	8.0	26
46	Amazonian former gold mined soils as a source of methylmercury: Evidence from a small scale watershed in French Guiana. <i>Water Research</i> , 2011, 45, 2659-2669.	11.3	25
47	A multitracer approach to assess the spatial contamination pattern of hake (<i>Merluccius merluccius</i>) in the French Mediterranean. <i>Science of the Total Environment</i> , 2015, 532, 184-194.	8.0	25
48	Dissolved gaseous mercury formation under UV irradiation of unamended tropical waters from French Guyana. <i>Science of the Total Environment</i> , 2002, 290, 131-138.	8.0	21
49	Measurement and modeling of mercury complexation by dissolved organic matter isolates from freshwater and effluents of a major wastewater treatment plant. <i>Applied Geochemistry</i> , 2011, 26, 2057-2063.	3.0	21
50	Sources, cycling and transfer of mercury in the Labrador Sea (Geotraces-Geovide cruise). <i>Marine Chemistry</i> , 2018, 198, 64-69.	2.3	21
51	Methylmercury manufacture. <i>Nature Geoscience</i> , 2013, 6, 810-811.	12.9	20
52	Mercury concentrations in surface waters of the English channel: A cooperative study. <i>Marine Pollution Bulletin</i> , 1991, 22, 197-200.	5.0	18
53	Methylmercury in tailings ponds of Amazonian gold mines (French Guiana): Field observations and an experimental flocculation method for in situ remediation. <i>Applied Geochemistry</i> , 2011, 26, 222-229.	3.0	18
54	Distribution tissulaire du cadmium chez <i>Meganyctiphanes norvegica</i> (Euphausiacea): État naturel et accumulation expérimentale de formes solubles. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1981, 38, 1449-1453.	1.4	16

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55	Sources and exchanges of mercury in the waters of the Northwestern Mediterranean margin. <i>Progress in Oceanography</i> , 2018, 163, 172-183.	3.2	16
56	Mercury content of mussels from the St. Lawrence Estuary and northwestern Gulf of St. Lawrence, Canada. <i>Marine Pollution Bulletin</i> , 1976, 7, 237-239.	5.0	14
57	Seasonal and Decadal Variations in Lead Sources to Eastern North Atlantic Mussels. <i>Environmental Science & Technology</i> , 2010, 44, 1211-1216.	10.0	14
58	Role of the floodplain lakes in the methylmercury distribution and exchanges with the Amazon River, Brazil. <i>Journal of Environmental Sciences</i> , 2018, 68, 24-40.	6.1	14
59	Modeling the Influence of Eutrophication and Redox Conditions on Mercury Cycling at the Sediment-Water Interface in the Berre Lagoon. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	13
60	Trace elements in <i>Mytilus edulis</i> L. from the estuary and gulf of St Lawrence, Canada: Lead and cadmium concentrations. <i>Environmental Pollution Series A, Ecological and Biological</i> , 1980, 23, 1-8.	0.7	12
61	Mercury accumulation in the sediment of the Western Mediterranean abyssal plain: A reliable archive of the late Holocene. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 309, 1-15.	3.9	12
62	Antimony cycling in the western Mediterranean. <i>Marine Chemistry</i> , 1996, 54, 303-312.	2.3	11
63	The monitoring programme of the ecological and ecotoxicological consequences of the "Erika" oil spill. <i>Aquatic Living Resources</i> , 2004, 17, 239-241.	1.2	11
64	Introduction to the French GEOTRACES North Atlantic Transect (GA01): GEOVIDE cruise. <i>Biogeosciences</i> , 2018, 15, 7097-7109.	3.3	10
65	Mercury in Marine Mussels from the St. Lawrence Estuary and Gulf (Canada): A Mussel Watch Survey Revisited after 40 Years. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7556.	2.5	9
66	Oceanic mercury concentrations on both sides of the Strait of Gibraltar decreased between 1989 and 2012. <i>Anthropocene</i> , 2020, 29, 100230.	3.3	8
67	Temporal variability of dissolved trace metals at the DYFAMED time-series station, Northwestern Mediterranean. <i>Marine Chemistry</i> , 2020, 225, 103846.	2.3	7
68	A multiscale study of mercury transformations and dynamics at the chemocline of the Petit-Saut tropical reservoir (French Guiana). <i>Science of the Total Environment</i> , 2018, 630, 1401-1412.	8.0	5
69	Synthesis of hydrochloric acid solution for total mercury determination in natural waters. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 1389-1392.	3.7	3
70	<sc>Susane</sc>, a device for sampling chemical gradients in the benthic water column. <i>Limnology and Oceanography: Methods</i> , 2019, 17, 331-342.	2.0	3