Gilberto Fillmann

List of Publications by Year
in descending order

121 papers	6,382 citations	61857 43 h-index	69108 77 g-index
125 all docs	125 docs citations	125 times ranked	6246 citing authors

#	Article	IF	Citations
1	Perfluorooctanesulfonate and Related Fluorochemicals in Human Blood from Several Countries. Environmental Science & Technology, 2004, 38, 4489-4495.	4.6	927
2	Petroleum and PAH contamination of the Black Sea. Marine Pollution Bulletin, 2002, 44, 48-62.	2.3	453
3	Is marine debris ingestion still a problem for the coastal marine biota of southern Brazil?. Marine Pollution Bulletin, 2010, 60, 396-401.	2.3	245
4	Freshwater outflow and Subtropical Convergence influence on phytoplankton biomass on the southern Brazilian continental shelf. Continental Shelf Research, 1995, 15, 1737-1756.	0.9	210
5	Influence of socio-economic characteristics of beach users on litter generation. Ocean and Coastal Management, 2005, 48, 742-752.	2.0	188
6	Global Pollution Monitoring of Polybrominated Diphenyl Ethers Using Skipjack Tuna as a Bioindicator. Environmental Science & Technology, 2004, 38, 2312-2316.	4.6	158
7	Natural and anthropogenic hydrocarbon inputs to sediments of Patos Lagoon Estuary, Brazil. Environment International, 2005, 31, 77-87.	4.8	154
8	Perfluorooctanesulfonate and Related Fluorochemicals in Albatrosses, Elephant Seals, Penguins, and Polar Skuas from the Southern Ocean. Environmental Science & Technology, 2006, 40, 7642-7648.	4.6	143
9	Rapid Assessment of Marine Pollution Using Multiple Biomarkers and Chemical Immunoassays. Environmental Science & Technology, 2002, 36, 2219-2226.	4.6	121
10	Microplastics in the pelagic environment around oceanic islands of the Western Tropical Atlantic Ocean. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	109
11	From TBT to booster biocides: Levels and impacts of antifouling along coastal areas of Panama. Environmental Pollution, 2018, 234, 243-252.	3.7	102
12	Persistent organochlorine residues in sediments from the Black Sea. Marine Pollution Bulletin, 2002, 44, 122-133.	2.3	101
13	Global Pollution Monitoring of PCBs and Organochlorine Pesticides Using Skipjack Tuna as a Bioindicator. Archives of Environmental Contamination and Toxicology, 2003, 45, 378-89.	2.1	95
14	Multiple biomarker responses in Prochilodus lineatus subjected to short-term in situ exposure to streams from agricultural areas in Southern Brazil. Science of the Total Environment, 2016, 542, 44-56.	3.9	87
15	Concentration and subcellular distribution of trace elements in liver of small cetaceans incidentally caught along the Brazilian coast. Marine Pollution Bulletin, 2004, 49, 574-587.	2.3	86
16	Distribution and transportability of hexabromocyclododecane (HBCD) in the Asia-Pacific region using skipjack tuna as a bioindicator. Environmental Pollution, 2006, 144, 238-247.	3.7	82
17	Review: ecotoxicity of organic and organo-metallic antifouling co-biocides and implications for environmental hazard and risk assessments in aquatic ecosystems. Biofouling, 2018, 34, 34-52.	0.8	82
18	Integrated quality assessment of sediments from harbour areas in Santos-SÃ£o Vicente Estuarine System, Southern Brazil. Estuarine, Coastal and Shelf Science, 2013, 130, 179-189.	0.9	81

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19	Aquatic organic matter: Classification and interaction with organic microcontaminants. Science of the Total Environment, 2019, 649, 1620-1635.	3.9	81
20	Assessment of Argentinean Patagonia pollution: PBDEs, OCPs and PCBs in different matrices from the RÃo Negro basin. Science of the Total Environment, 2013, 452-453, 275-285.	3.9	80
21	PBDEs, PCBs and organochlorine pesticides distribution in edible fish from Negro River basin, Argentinean Patagonia. Chemosphere, 2014, 94, 135-142.	4.2	79
22	Organotin contamination in South American coastal areas. Environmental Monitoring and Assessment, 2012, 184, 1781-1799.	1.3	74
23	Natural and anthropogenic sterols inputs in surface sediments of Patos Lagoon, Brazil. Journal of the Brazilian Chemical Society, 2007, 18, 106-115.	0.6	70
24	Anthropogenic organic matter inputs indicated by sedimentary fecal steroids in a large South American tropical estuary (ParanaguÃ¡ estuarine system, Brazil). Marine Pollution Bulletin, 2010, 60, 2137-2143.	2.3	68
25	Imposex and butyltin contamination still evident in Chile after TBT global ban. Science of the Total Environment, 2016, 566-567, 446-453.	3.9	67
26	Butyltin contamination in Northern Chilean coast: Is there a potential risk for consumers?. Science of the Total Environment, 2017, 595, 209-217.	3.9	67
27	Antifouling paint particles: Sources, occurrence, composition and dynamics. Water Research, 2018, 137, 47-56.	5.3	64
28	Are antifouling residues a matter of concern in the largest South American port?. Journal of Hazardous Materials, 2020, 398, 122937.	6.5	63
29	TBT is still a matter of concern in Peru. Chemosphere, 2018, 205, 253-259.	4.2	61
30	Global pollution monitoring of butyltin compounds using skipjack tuna as a bioindicator. Environmental Pollution, 2004, 127, 1-12.	3.7	60
31	The use of steroid markers to assess sewage contamination of the Black Sea. Marine Pollution Bulletin, 2005, 50, 310-318.	2.3	60
32	Plastic Pollution at a Sea Turtle Conservation Area in NE Brazil: Contrasting Developed and Undeveloped Beaches. Estuaries and Coasts, 2011, 34, 814-823.	1.0	58
33	Butyltin Compounds and Imposex Levels in Ecuador. Archives of Environmental Contamination and Toxicology, 2012, 62, 68-77.	2.1	58
34	Global pollution monitoring of polychlorinated dibenzo-p-dioxins (PCDDs), furans (PCDFs) and coplanar polychlorinated biphenyls (coplanar PCBs) using skipjack tuna as bioindicator. Environmental Pollution, 2005, 136, 303-313.	3.7	57
35	Co-exposure of the organic nanomaterial fullerene C60 with benzo[a]pyrene in Danio rerio (zebrafish) hepatocytes: Evidence of toxicological interactions. Aquatic Toxicology, 2014, 147, 76-83.	1.9	55
36	Butyltins, polyaromatic hydrocarbons, organochlorine pesticides, and polychlorinated biphenyls in sediments and bivalve mollusks in a midâ€latitude environment from the Patagonian coastal zone. Environmental Toxicology and Chemistry, 2015, 34, 2750-2763.	2.2	52

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37	Venezuelan Caribbean Sea under the threat of TBT. Chemosphere, 2015, 119, 704-710.	4.2	52
38	Multimatrix measurement of persistent organic pollutants in Mar Chiquita, a continental saline shallow lake. Science of the Total Environment, 2014, 490, 73-80.	3.9	51
39	Polybrominated diphenyl ethers and organochlorine compound levels in brown trout (Salmo trutta) from Andean Patagonia, Argentina. Chemosphere, 2011, 83, 1597-1602.	4.2	48
40	Contamination by Persistent Organochlorines in Cetaceans Incidentally Caught Along Brazilian Coastal Waters. Archives of Environmental Contamination and Toxicology, 2004, 46, 124-134.	2.1	47
41	Ecological and biological determinants of trace elements accumulation in liver and kidney of Pontoporia blainvillei. Science of the Total Environment, 2007, 385, 208-220.	3.9	47
42	Induction of oxidative stress by chlorothalonil in the estuarine polychaete Laeonereis acuta. Aquatic Toxicology, 2018, 196, 1-8.	1.9	47
43	Assessing Polychlorinated Dibenzo-p-dioxins and Polychlorinated Dibenzofurans in Air across Latin American Countries Using Polyurethane Foam Disk Passive Air Samplers. Environmental Science & Technology, 2015, 49, 3680-3686.	4.6	45
44	High tributyltin and imposex levels in the commercial muricid Thais chocolata from two Peruvian harbor areas. Environmental Toxicology and Chemistry, 2012, 31, 955-960.	2.2	44
45	Spatiotemporal appraisal of TBT contamination and imposex along a tropical bay (Todos os Santos Bay,) Tj ETQq1 1 0.784314 rgBT /Ov	2.7	44
46	Tintas anti-incrustantes de terceira geraÃ§Ã£o: novos biocidas no ambiente aquÃ¡tico. Quimica Nova, 2011, 34, 1021-1031.	0.3	43
47	Air monitoring of new and legacy POPs in the Group of Latin America and Caribbean (GRULAC) region. Environmental Pollution, 2018, 243, 1252-1262.	3.7	42
48	Atmospheric Concentrations of New Persistent Organic Pollutants and Emerging Chemicals of Concern in the Group of Latin America and Caribbean (GRULAC) Region. Environmental Science & Technology, 2018, 52, 7240-7249.	4.6	40
49	Imposex reduction and residual butyltin contamination in southern Brazilian harbors. Environmental Toxicology and Chemistry, 2012, 31, 947-954.	2.2	39
50	A comparative approach using biomarkers in feral and caged Neotropical fish: Implications for biomonitoring freshwater ecosystems in agricultural areas. Science of the Total Environment, 2017, 586, 598-609.	3.9	38
51	Assessment of organotins and imposex in two estuaries of the northeastern Brazilian coast. Marine Pollution Bulletin, 2018, 126, 473-478.	2.3	38
52	Urinary PAH Metabolites as Biomarkers of Exposure in Aquatic Environments. Environmental Science & Technology, 2004, 38, 2649-2656.	4.6	37
53	Input of organic matter in a large south american tropical estuary (ParanaguÃ¡ Estuarine System,) Tj ETQq1 1 0.784314 rgBT /Overloc Chemical Society, 2011, 22, 1585-1594.	0.6	37
54	Total mercury, organic mercury and selenium in liver and kidney of a South American coastal dolphin. Environmental Pollution, 2008, 154, 98-106.	3.7	35

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55	Increasing levels of persistent organic pollutants in rainbow trout (Oncorhynchus mykiss) following a mega-flooding episode in the Negro River basin, Argentinean Patagonia. Science of the Total Environment, 2012, 419, 233-239.	3.9	33
56	Distribution and bioaccumulation of butyltins in the edible gastropod Odontocymbiola magellanica. Marine Biology Research, 2016, 12, 608-620.	0.3	33
57	Antifouling booster biocides in coastal waters of Panama: First appraisal in one of the busiest shipping zones. Marine Pollution Bulletin, 2016, 112, 415-419.	2.3	33
58	An absurd scenario in 2021: Banned TBT-based antifouling products still available on the market. Science of the Total Environment, 2022, 805, 150377.	3.9	33
59	Comparative toxicity of antifouling compounds on the development of sea urchin. Ecotoxicology, 2011, 20, 1870-1880.	1.1	32
60	Effects of harbor activities on sediment quality in a semi-arid region in Brazil. Ecotoxicology and Environmental Safety, 2017, 135, 137-151.	2.9	31
61	Long-term trends of polychlorinated biphenyls and chlorinated pesticides in franciscana dolphin (Pontoporia blainvillei) from Southern Brazil. Marine Pollution Bulletin, 2010, 60, 412-418.	2.3	30
62	Impacts of the biocide chlorothalonil on biomarkers of oxidative stress, genotoxicity, and sperm quality in guppy Poecilia vivipara. Ecotoxicology and Environmental Safety, 2020, 188, 109847.	2.9	28
63	Litter contamination processes and management perspectives on the southern Brazilian coast. International Journal of Environment and Pollution, 2004, 21, 153.	0.2	27
64	Towards a regional passive air sampling network and strategy for new POPs in the GRULAC region: Perspectives from the GAPS Network and first results for organophosphorus flame retardants. Science of the Total Environment, 2016, 573, 1294-1302.	3.9	27
65	Spatial and temporal distribution of Persistent Organic Pollutants and current use pesticides in the atmosphere of Argentinean Patagonia. Chemosphere, 2021, 266, 129015.	4.2	27
66	Lysosomal responses as a diagnostic tool for the detection of chronic petroleum pollution at Todos os Santos Bay, Brazil. Environmental Research, 2005, 99, 387-396.	3.7	25
67	How protected are marine protected areas: A case study of tributyltin in Latin America. Journal of Environmental Management, 2021, 278, 111543.	3.8	25
68	Relative performance of immunochemical (enzyme-linked immunosorbent assay) and gas chromatographyâ€“electron-capture detection techniques to quantify polychlorinated biphenyls in mussel tissues. Analytica Chimica Acta, 2002, 461, 75-84.	2.6	23
69	In vitro exposure to fullerene C₆₀ influences redox state and lipid peroxidation in brain and gills from Cyprinus carpio (Cyprinidae). Environmental Toxicology and Chemistry, 2012, 31, 961-967.	2.2	23
70	Trace-elements, methylmercury and metallothionein levels in Magellanic penguin (Spheniscus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 450-455.	2.3	23
71	Butyltin and PAH Contamination of Mar del Plata Port (Argentina) Sediments and Their Influence on Adjacent Coastal Regions. Bulletin of Environmental Contamination and Toxicology, 2015, 95, 513-520.	1.3	23
72	Biocides in antifouling paint formulations currently registered for use. Environmental Science and Pollution Research, 2022, 29, 30090-30101.	2.7	23

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73	A baseline study of perfluorochemicals in Franciscana dolphin and Subantarctic fur seal from coastal waters of Southern Brazil. Marine Pollution Bulletin, 2008, 56, 778-781.	2.3	22
74	PBDE levels in franciscana dolphin (Pontoporia blainvillei): Temporal trend and geographical comparison. Science of the Total Environment, 2014, 493, 405-410.	3.9	22
75	Accumulation patterns of organochlorines in juveniles of Arctocephalus australis found stranded along the coast of Southern Brazil. Environmental Pollution, 2007, 146, 262-267.	3.7	21
76	Influence of effluents from a Wastewater Treatment Plant on nutrient distribution in a coastal creek from southern Brazil. Brazilian Archives of Biology and Technology, 2008, 51, 153-162.	0.5	21
77	Organotin pollution from pleasure craft at Paraty, a tourist area of Southeastern Brazil: amelioration or interference?. Brazilian Journal of Oceanography, 2013, 61, 177-186.	0.6	20
78	Temporal trend of litter contamination at Cassino beach, Southern Brazil. Journal of Integrated Coastal Zone Management, 2011, 11, 97-102.	0.2	20
79	Rapid and cost-effective multiresidue analysis of pharmaceuticals, personal care products, and antifouling booster biocides in marine sediments using matrix solid phase dispersion. Chemosphere, 2021, 267, 129085.	4.2	19
80	Legacy and emerging antifouling biocide residues in a tropical estuarine system (Espirito Santo state,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.3	19
81	Preliminary Appraisal of Imposex in Areas Under the Influence of Southern Brazilian Harbors. Journal of the Brazilian Society of Ecotoxicology, 2007, 2007, 73-79.	0.3	19
82	Sex steroid imbalances in the muricid Stramonita haemastoma from TBT contaminated sites. Environmental Science and Pollution Research, 2016, 23, 7861-7868.	2.7	17
83	A non-destructive assessment of the exposure of crabs to PAH using ELISA analyses of their urine and haemolymph. Marine Environmental Research, 2002, 54, 823-828.	1.1	16
84	Ecological risk assessment of booster biocides in sediments of the Brazilian coastal areas. Chemosphere, 2021, 276, 130155.	4.2	16
85	Responses of the CYP1A biomarker in Jenynsia multidentata and Phalloceros caudimaculatus and evaluation of a CYP1A refractory phenotype. Chemosphere, 2016, 144, 925-931.	4.2	15
86	Effects of chlorothalonil on the antioxidant defense system of mussels Perna perna. Ecotoxicology and Environmental Safety, 2020, 190, 110119.	2.9	15
87	Dredging impacts on the toxicity and development of sediment quality values in a semi-arid region (CearÃ¡ state, NE Brazil). Environmental Research, 2021, 193, 110525.	3.7	15
88	Lethal and Sub-Lethal Effects of the Water-Soluble Fraction of a Light Crude Oil on the Planktonic Copepod Acartia tonsa. Journal of the Brazilian Society of Ecotoxicology, 2010, 5, 19-25.	0.3	15
89	Mexican paradise under threat: The impact of antifouling biocides along the YucatÃ¡n Peninsula. Journal of Hazardous Materials, 2022, 427, 128162.	6.5	15
90	Silver speciation in liver of marine mammals by synchrotron X-ray absorption fine structure and X-ray fluorescence spectroscopies. Journal of Environmental Monitoring, 2011, 13, 1678.	2.1	14

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91	Disruption of fertility, placenta, pregnancy outcome, and multigenerational inheritance of hepatic steatosis by organotin exposure from contaminated seafood in rats. Science of the Total Environment, 2020, 723, 138000.	3.9	14
92	Photodynamic Action of Benzo[a]pyrene in K562 Cells. Photochemistry and Photobiology, 2007, 83, 1358-1363.	1.3	13
93	Passive sampling of pesticides and polychlorinated biphenyls along the QuequÃ©n Grande River watershed, Argentina. Environmental Toxicology and Chemistry, 2019, 38, 340-349.	2.2	12
94	Polycyclic aromatic hydrocarbons in sediments and shellfish from Todos os Santos bay, Brazil. Marine Pollution Bulletin, 2021, 173, 112944.	2.3	12
95	Different carbon sources affect PCB accumulation by marine bivalves. Marine Environmental Research, 2016, 113, 62-69.	1.1	11
96	Antifouling booster biocide extraction from marine sediments: a fast and simple method based on vortex-assisted matrix solid-phase extraction. Environmental Science and Pollution Research, 2018, 25, 7553-7565.	2.7	11
97	Does light-stick content pose any threat to marine organisms?. Environmental Toxicology and Pharmacology, 2009, 27, 155-157.	2.0	10
98	Skin irritation and histopathologic alterations in rats exposed to lightstick contents, UV radiation and seawater. Ecotoxicology and Environmental Safety, 2009, 72, 2020-2024.	2.9	9
99	Assessing the effects of Cu, Cd, and exposure period on metallothionein production in gills of the Brazilian brown mussel Perna perna by using factorial design. Environmental Monitoring and Assessment, 2011, 179, 155-162.	1.3	9
100	Spatial distribution of butyltins and imposex in eastern Brazilian Amazon. Marine Pollution Bulletin, 2021, 165, 112155.	2.3	8
101	A preliminary study on multi-level biomarkers response of the tropical oyster Crassostrea brasiliana to exposure to the antifouling biocide DCOIT. Marine Pollution Bulletin, 2022, 174, 113241.	2.3	8
102	Antioxidant responses in the polychaetePerinereis gualpensis(Nereididae) exposed to the carbon nanomaterial fullerene (C60). Chemistry and Ecology, 2011, 27, 43-48.	0.6	7
103	AvaliaÃ§Ã£o do CopÃ©podo Acartia tonsa (Dana, 1849) como Organismo-Teste para Ensaios de Toxicidade CrÃ´nica. Journal of the Brazilian Society of Ecotoxicology, 2010, 5, 27-32.	0.3	7
104	Assessing the potential toxicity of marine sediments found in petroleum industry areas: A new approach based on responses of postlarval shrimp. Ciencias Marinas, 2005, 31, 43-55.	0.4	7
105	Evaluation of a commercially available ELISA kit as a tool to determine BTEX in groundwater. Environmental Technology (United Kingdom), 2003, 24, 665-670.	1.2	5
106	Analytical methods for antifouling booster biocides determination in environmental matrices: A review. Trends in Environmental Analytical Chemistry, 2021, 29, e00108.	5.3	5
107	Retardantes de chama bromados: uma revisÃ£o. Quimica Nova, 0, , .	0.3	5
108	Genotoxic and mutagenic effects of chlorothalonil on the estuarine fish Micropogonias furnieri (Desmarest, 1823). Environmental Science and Pollution Research, 2022, 29, 23504-23511.	2.7	5

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109	Validation of immunoassay methods to determine hydrocarbon contamination in estuarine sediments. Journal of the Brazilian Chemical Society, 2007, 18, 774-781.	0.6	4
110	First Appraisal of Water Contamination by Antifouling Booster Biocide of 3rdGeneration at Itaqui Harbor (SÃ£o Luiz - MaranhÃ£o - Brazil). Journal of the Brazilian Chemical Society, 2013, , .	0.6	4
111	Distribution of PAHs and trace elements in Spartina densiflora and associated sediments from low to highly contaminated South American estuarine saltmarshes. Science of the Total Environment, 2022, 842, 156783.	3.9	4
112	Assessment of Persistent Organic Pollutants in the Atmosphere of Latin America. ACS Symposium Series, 2013, , 183-199.	0.5	3
113	Long-term monitoring of Nucella lapillus imposex in Ria de Aveiro (Portugal): When will a full recovery happen?. Marine Pollution Bulletin, 2021, 168, 112411.	2.3	3
114	Environmental matrices effect in butyltin determinations by GC/MS. Ecotoxicology and Environmental Contamination, 2015, 10, 47-53.	0.2	3
115	Histological and Behavioral Toxicity of Tributyltin in the Tropical Guppy Poecilia vivipara. Environmental Toxicology and Chemistry, 2020, 39, 1953-1963.	2.2	2
116	Temporal evolution of imposex and butyltin contamination in Gemophos viverratus from SÃ£o Vicente (Cabo Verde) - a countercurrent trend on the world scenario. Marine Pollution Bulletin, 2021, 170, 112633.	2.3	2
117	The Influence of Salinity and Matrix Effect in the Determination of Antifouling Biocides in Estuarine Waters of Patos Lagoon (Southern Brazil). Journal of the Brazilian Chemical Society, 2014, , .	0.6	2
118	Biochemical normalization of trace metals in Arctocephalus australis. Brazilian Journal of Oceanography, 2009, 57, 1-6.	0.6	1
119	Using rapid assessment of marine pollution (RAMP) techniques to assess the quality of marine sediments. Ecotoxicology and Environmental Contamination, 2018, 13, 99-106.	0.2	1
120	Removal of traces of mercury from a carrier gas for analytical purpose. Journal of Analytical Science and Technology, 2013, 4, .	1.0	0
121	AvaliaÃ§Ã£o do residual de bifenilos policlorados em mÃºsculo congelado e lombo cozido congelado de atum (Katsuwonus pelamis). Revista Do Instituto Adolfo Lutz, 2013, , .	0.0	0