Caroline Gaus

List of Publications by Year
in descending order

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54 papers	2,410 citations	201674 27 h-index	197818 49 g-index
55 all docs	55 docs citations	55 times ranked	2361 citing authors

#	Article	IF	Citations
1	Dioxin- and POP-contaminated sitesâ€"contemporary and future relevance and challenges. Environmental Science and Pollution Research, 2008, 15, 363-393.	5.3	322
2	Chlorinated paraffins in the environment: A review on their production, fate, levels and trends between 2010 and 2015. Chemosphere, 2016, 155, 415-428.	8.2	245
3	Differences in the carcinogenic evaluation of glyphosate between the International Agency for Research on Cancer (IARC) and the European Food Safety Authority (EFSA). Journal of Epidemiology and Community Health, 2016, 70, 741-745.	3.7	138
4	Sponge halogenated natural products found at partsâ€perâ€million levels in marine mammals. Environmental Toxicology and Chemistry, 2002, 21, 2014-2019.	4.3	119
5	Recent developments in capabilities for analysing chlorinated paraffins in environmental matrices: A review. Chemosphere, 2015, 136, 259-272.	8.2	112
6	Anthropogenic and Natural Organohalogen Compounds in Blubber of Dolphins and Dugongs () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 Toxicology, 2001, 41, 221-231.	4.1	106
7	Polychlorinated Dibenzo-p-Dioxins and Dibenzofurans (PCDD/Fs) Impurities in Pesticides: A Neglected Source of Contemporary Relevance. Environmental Science & Technology, 2010, 44, 5409-5415.	10.0	84
8	Medium-Chain Chlorinated Paraffins (CPs) Dominate in Australian Sewage Sludge. Environmental Science & Technology, 2017, 51, 3364-3372.	10.0	72
9	Tetra- and Tribromophenoxyanisoles in Marine Samples from Oceania. Environmental Science & Technology, 2005, 39, 7784-7789.	10.0	61
10	Evidence for the presence of a widespread PCDD source in coastal sediments and soils from Queensland, Australia. Chemosphere, 2001, 43, 549-558.	8.2	57
11	Flame retardants (PBDEs) in marine turtles, dugongs and seafood from Queensland, Australia. Marine Pollution Bulletin, 2008, 57, 409-418.	5.0	53
12	Dioxin - contemporary and future challenges of historical legacies. Environmental Science and Pollution Research, 2008, 15, 96-100.	5.3	49
13	Non-targeted, high resolution mass spectrometry strategy for simultaneous monitoring of xenobiotics and endogenous compounds in green sea turtles on the Great Barrier Reef. Science of the Total Environment, 2017, 599-600, 1251-1262.	8.0	49
14	Transformation Processes, Pathways, and Possible Sources of Distinctive Polychlorinated Dibenzo-p-dioxin Signatures in Sink Environments. Environmental Science & Technology, 2002, 36, 3542-3549.	10.0	46
15	Applicability of Passive Sampling to Bioanalytical Screening of Bioaccumulative Chemicals in Marine Wildlife. Environmental Science & Technology, 2013, 47, 7982-7988.	10.0	46
16	Assessing Dioxin Precursors in Pesticide Formulations and Environmental Samples As a Source of Octachlorodibenzo-p-dioxin in Soil and Sediment. Environmental Science & Technology, 2008, 42, 1472-1478.	10.0	45
17	Polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans in sediments from Hong Kong. Marine Pollution Bulletin, 2002, 45, 372-378.	5.0	43
18	Assessing Forest Fire as a Potential PCDD/F Source in Queensland, Australia. Environmental Science & Technology, 2003, 37, 4325-4329.	10.0	43

#	Article	IF	Citations
19	Trace organic compounds in the marine environment. Marine Pollution Bulletin, 2002, 45, 62-68.	5.0	41
20	Organochlorine and heavy metal concentrations in blubber and liver tissue collected from Queensland (Australia) dugong (Dugong dugon). Marine Pollution Bulletin, 2005, 51, 361-369.	5.0	37
21	Monobromo and higher brominated congeners of the marine halogenated natural product 2,3,3â€²,4,4â€²,5,5â€²-heptachloro-1â€²-methyl-1,2â€²-bipyrrole (Q1). Chemosphere, 2007, 66, 2011-2018.	8.2	36
22	Formation of dioxins during exposure of pesticide formulations to sunlight. Chemosphere, 2012, 88, 364-370.	8.2	35
23	Clinical and Pathological Findings in Green Turtles (Chelonia mydas) from Gladstone, Queensland: Investigations of a Stranding Epidemic. EcoHealth, 2015, 12, 298-309.	2.0	32
24	Historical PCDD Inputs and Their Source Implications from Dated Sediment Cores in Queensland (Australia). Environmental Science & Technology, 2001, 35, 4597-4603.	10.0	30
25	Investigations into the PCDD contamination of topsoil, river sediments and kaolinite clay in Queensland, Australia. Chemosphere, 2002, 46, 1335-1342.	8.2	30
26	Adaptive Stress Response Pathways Induced by Environmental Mixtures of Bioaccumulative Chemicals in Dugongs. Environmental Science & Technology, 2015, 49, 6963-6973.	10.0	29
27	Coupling passive sampling with in vitro bioassays and chemical analysis to understand combined effects of bioaccumulative chemicals in blood of marine turtles. Chemosphere, 2015, 138, 292-299.	8.2	29
28	PCDD/Fs and PCBs in seafood species from Moreton Bay, Queensland, Australia. Marine Pollution Bulletin, 2008, 57, 392-402.	5.0	28
29	Gas Chromatography/Electron Ionization-Mass Spectrometry-Selected Ion Monitoring Screening Method for a Thorough Investigation of Polyhalogenated Compounds in Passive Sampler Extracts with Quadrupole Systems. Analytical Chemistry, 2010, 82, 9835-9842.	6.5	28
30	Describing the environmental fate of diuron in a tropical river catchment. Science of the Total Environment, 2012, 440, 178-185.	8.0	27
31	Effect-based approach for screening of chemical mixtures in whole blood of green turtles from the Great Barrier Reef. Science of the Total Environment, 2018, 612, 321-329.	8.0	26
32	Facilitated Transport of Dioxins in Soil Following Unintentional Release of Pesticide-Surfactant Formulations. Environmental Science & Technology, 2011, 45, 406-411.	10.0	24
33	Levels of arsenic, cadmium, lead and mercury in the branchial plate and muscle tissue of mobulid rays. Marine Pollution Bulletin, 2015, 94, 251-259.	5.0	24
34	Effect of surfactant application practices on the vertical transport potential of hydrophobic pesticides in agrosystems. Chemosphere, 2018, 209, 78-87.	8.2	23
35	Evaluating internal exposure of sea turtles as model species for identifying regional chemical threats in nearshore habitats of the Great Barrier Reef. Science of the Total Environment, 2019, 658, 732-743.	8.0	23
36	Multi-residue screening of non-polar hazardous chemicals in green turtle blood from different foraging regions of the Great Barrier Reef. Science of the Total Environment, 2019, 652, 862-868.	8.0	22

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37	Screening of organic and metal contaminants in Australian humpback dolphins (Sousa sahulensis) inhabiting an urbanised embayment. Chemosphere, 2016, 151, 253-262.	8.2	21
38	Experimental Solubility Approach to Determine PDMSâ€“Water Partition Constants and PDMS Activity Coefficients. Environmental Science & Technology, 2016, 50, 3047-3054.	10.0	21
39	Discovery and widespread occurrence of polyhalogenated 1,1'-dimethyl-2,2'-bipyrroles (PDBPs) in marine biota. Environmental Pollution, 2013, 178, 329-335.	7.5	20
40	Solubility enhancement of dioxins and PCBs by surfactant monomers and micelles quantified with polymer depletion techniques. Chemosphere, 2016, 152, 99-106.	8.2	20
41	Identification of the natural product 2,3,4,5-tetrabromo-1-methylpyrrole in Pacific biota, passive samplers and seagrass from Queensland, Australia. Marine Pollution Bulletin, 2011, 62, 2463-2468.	5.0	16
42	Polychlorinated dibenzodioxins and dibenzofurans in butter from different states in Australia. Environmental Science and Pollution Research, 2001, 8, 7-10.	5.3	14
43	A multi-element screening method to identify metal targets for blood biomonitoring in green sea turtles (Chelonia mydas). Science of the Total Environment, 2015, 512-513, 613-621.	8.0	13
44	Release of native and mass labelled PCDD/PCDF from soil heated to simulate bushfires. Environmental Pollution, 2012, 166, 10-16.	7.5	10
45	Bioanalytical Approaches to Understanding Toxicological Implications of Mixtures of Persistent Organic Pollutants in Marine Wildlife. Comprehensive Analytical Chemistry, 2015, 67, 57-84.	1.3	9
46	Isomer-specific investigation of PCDD/F mobility and other fate processes in deep soil cores. Chemosphere, 2015, 137, 87-94.	8.2	9
47	Historical emissions of octachlorodibenzodioxin in a watershed in Queensland, Australia: Estimation from field data and an environmental fate model. Science of the Total Environment, 2015, 502, 680-687.	8.0	9
48	Identification and quantification of new polybrominated dimethoxybiphenyls (PBDMBs) in marine mammals from Australia. Chemosphere, 2008, 73, 580-586.	8.2	8
49	Transport potential of super-hydrophobic organic contaminants in anionic-nonionic surfactant mixture micelles. Chemosphere, 2019, 230, 173-181.	8.2	6
50	New Polymer Passive Sampler for Sensitive Biomonitoring of Lipid-Rich Matrices. Environmental Science and Technology Letters, 2016, 3, 52-56.	8.7	5
51	Simultaneous quantification of humic acid-water and silanized glass-water partition constants for PCBs, PCDDs and OCDF. Chemosphere, 2020, 243, 125338.	8.2	5
52	SPONGE HALOGENATED NATURAL PRODUCTS FOUND AT PARTS-PER-MILLION LEVELS IN MARINE MAMMALS. Environmental Toxicology and Chemistry, 2002, 21, 2014.	4.3	5
53	Case studies on dioxin and POP contaminated sites: Contemporary and future relevance and challenges. Environmental Science and Pollution Research, 2008, 15, 95-95.	5.3	3
54	An integrative approach to define chemical exposure threshold limits for endangered sea turtles. Journal of Hazardous Materials, 2021, 420, 126512.	12.4	2