

Carla A Ng

List of Publications by Year in descending order

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52
papers

4,444
citations

172457

29
h-index

175258

52
g-index

56
all docs

56
docs citations

56
times ranked

3959
citing authors

#	ARTICLE	IF	CITATIONS
1	Per- and Polyfluoroalkyl Substance Toxicity and Human Health Review: Current State of Knowledge and Strategies for Informing Future Research. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 606-630.	4.3	697
2	An overview of the uses of per- and polyfluoroalkyl substances (PFAS). <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 2345-2373.	3.5	632
3	PFAS Exposure Pathways for Humans and Wildlife: A Synthesis of Current Knowledge and Key Gaps in Understanding. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 631-657.	4.3	311
4	Bioaccumulation of Perfluorinated Alkyl Acids: Observations and Models. <i>Environmental Science & Technology</i> , 2014, 48, 4637-4648.	10.0	246
5	QUANTITATIVE PATTERNS IN THE STRUCTURE OF MODEL AND EMPIRICAL FOOD WEBS. <i>Ecology</i> , 2005, 86, 1301-1311.	3.2	179
6	The Global Food System as a Transport Pathway for Hazardous Chemicals: The Missing Link between Emissions and Exposure. <i>Environmental Health Perspectives</i> , 2017, 125, 1-7.	6.0	168
7	Bioconcentration of Perfluorinated Alkyl Acids: How Important Is Specific Binding?. <i>Environmental Science & Technology</i> , 2013, 47, 7214-7223.	10.0	167
8	Are Fluoropolymers Really of Low Concern for Human and Environmental Health and Separate from Other PFAS?. <i>Environmental Science & Technology</i> , 2020, 54, 12820-12828.	10.0	149
9	Strategies for grouping per- and polyfluoroalkyl substances (PFAS) to protect human and environmental health. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 1444-1460.	3.5	126
10	Screening for PBT Chemicals among the "Existing" and "New" Chemicals of the EU. <i>Environmental Science & Technology</i> , 2012, 46, 5680-5687.	10.0	125
11	The concept of essential use for determining when uses of PFASs can be phased out. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 1803-1815.	3.5	125
12	The high persistence of PFAS is sufficient for their management as a chemical class. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 2307-2312.	3.5	125
13	Assessing the persistence, bioaccumulation potential and toxicity of brominated flame retardants: Data availability and quality for 36 alternative brominated flame retardants. <i>Chemosphere</i> , 2014, 116, 118-123.	8.2	108
14	Assessing the bioaccumulation potential of ionizable organic compounds: Current knowledge and research priorities. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 882-897.	4.3	106
15	Why is high persistence alone a major cause of concern?. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 781-792.	3.5	106
16	Influence of global climate change on chemical fate and bioaccumulation: The role of multimedia models. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 20-31.	4.3	102
17	How many persistent organic pollutants should we expect?. <i>Atmospheric Pollution Research</i> , 2012, 3, 383-391.	3.8	88
18	Exploring the Use of Molecular Docking to Identify Bioaccumulative Perfluorinated Alkyl Acids (PFAAs). <i>Environmental Science & Technology</i> , 2015, 49, 12306-12314.	10.0	81

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19	Predicting Relative Protein Affinity of Novel Per- and Polyfluoroalkyl Substances (PFASs) by An Efficient Molecular Dynamics Approach. <i>Environmental Science & Technology</i> , 2018, 52, 7972-7980.	10.0	81
20	Using Machine Learning to Classify Bioactivity for 3486 Per- and Polyfluoroalkyl Substances (PFASs) from the OECD List. <i>Environmental Science & Technology</i> , 2019, 53, 13970-13980.	10.0	68
21	Absorption, distribution, and toxicity of per- and polyfluoroalkyl substances (PFAS) in the brain: a review. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 1623-1640.	3.5	64
22	A Permeability-Limited Physiologically Based Pharmacokinetic (PBPK) Model for Perfluorooctanoic acid (PFOA) in Male Rats. <i>Environmental Science & Technology</i> , 2017, 51, 9930-9939.	10.0	49
23	Nontarget Screening of Per- and Polyfluoroalkyl Substances Binding to Human Liver Fatty Acid Binding Protein. <i>Environmental Science & Technology</i> , 2020, 54, 5676-5686.	10.0	45
24	Tracking pesticide fate in conventional banana cultivation in Costa Rica: A disconnect between protecting ecosystems and consumer health. <i>Science of the Total Environment</i> , 2018, 613-614, 1250-1262.	8.0	42
25	Perfluoroalkyl Acid Binding with Peroxisome Proliferator-Activated Receptors $\hat{I}\alpha$, $\hat{I}\beta$, and $\hat{I}\gamma$, and Fatty Acid Binding Proteins by Equilibrium Dialysis with a Comparison of Methods. <i>Toxics</i> , 2021, 9, 45.	3.7	34
26	Information Requirements under the Essential-Use Concept: PFAS Case Studies. <i>Environmental Science & Technology</i> , 2022, 56, 6232-6242.	10.0	32
27	A Framework for Evaluating the Contribution of Transformation Products to Chemical Persistence in the Environment. <i>Environmental Science & Technology</i> , 2011, 45, 111-117.	10.0	30
28	Forecasting the effects of global change scenarios on bioaccumulation patterns in great lakes species. <i>Global Change Biology</i> , 2011, 17, 720-733.	9.5	30
29	A pathway level analysis of PFAS exposure and risk of gestational diabetes mellitus. <i>Environmental Health</i> , 2021, 20, 63.	4.0	29
30	Understanding the dynamics of physiological changes, protein expression, and PFAS in wildlife. <i>Environment International</i> , 2022, 159, 107037.	10.0	29
31	Describing the environmental fate of diuron in a tropical river catchment. <i>Science of the Total Environment</i> , 2012, 440, 178-185.	8.0	27
32	Chemical amplification in an invaded food web: Seasonality and ontogeny in a high-biomass, low-diversity ecosystem. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 2186-2195.	4.3	24
33	Evaluating parameter availability for physiologically based pharmacokinetic (PBPK) modeling of perfluorooctanoic acid (PFOA) in zebrafish. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 105-119.	3.5	20
34	Estimating polybrominated diphenyl ether (PBDE) exposure through seafood consumption in Switzerland using international food trade data. <i>Environment International</i> , 2020, 138, 105652.	10.0	19
35	Integrative Computational Approaches to Inform Relative Bioaccumulation Potential of Per- and Polyfluoroalkyl Substances Across Species. <i>Toxicological Sciences</i> , 2021, 180, 212-223.	3.1	18
36	Addressing Urgent Questions for PFAS in the 21st Century. <i>Environmental Science & Technology</i> , 2021, 55, 12755-12765.	10.0	17

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37	Finding essentiality feasible: common questions and misinterpretations concerning the "essential-use" concept. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 1079-1087.	3.5	16
38	Tracking bioaccumulation in aquatic organisms: A dynamic model integrating life history characteristics and environmental change. <i>Ecological Modelling</i> , 2009, 220, 1266-1273.	2.5	14
39	Polybrominated Diphenyl Ether (PBDE) Accumulation in Farmed Salmon Evaluated Using a Dynamic Sea-Cage Production Model. <i>Environmental Science & Technology</i> , 2018, 52, 6965-6973.	10.0	13
40	Formation of PFAAs in fish through biotransformation: A PBPK approach. <i>Chemosphere</i> , 2018, 202, 218-227.	8.2	12
41	Impacts of Sex and Exposure Duration on Gene Expression in Zebrafish Following Perfluorooctane Sulfonate Exposure. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 437-449.	4.3	12
42	Network Analysis for Prioritizing Biodegradation Metabolites of Polycyclic Aromatic Hydrocarbons. <i>Environmental Science & Technology</i> , 2020, 54, 10735-10744.	10.0	12
43	Modeling the dynamics of DDT in a remote tropical floodplain: indications of post-ban use?. <i>Environmental Science and Pollution Research</i> , 2016, 23, 10317-10334.	5.3	11
44	Modeling the impact of biota on polychlorinated biphenyls (PCBs) fate and transport in Lake Ontario using a population-based multi-compartment fugacity approach. <i>Environmental Pollution</i> , 2018, 241, 720-729.	7.5	11
45	Socio-economic analysis for the authorisation of chemicals under REACH: A case of very high concern?. <i>Regulatory Toxicology and Pharmacology</i> , 2014, 70, 564-571.	2.7	9
46	Ecological engineering and sustainability: A new opportunity for chemical engineering. <i>AIChE Journal</i> , 2008, 54, 3040-3047.	3.6	7
47	Evaluating the Use of Alternatives Assessment To Compare Bulk Organic Chemical and Nanomaterial Alternatives to Brominated Flame Retardants. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6019-6030.	6.7	6
48	Quantitative Chemical Proteomics Reveals Interspecies Variations on Binding Schemes of L-FABP with Perfluorooctanesulfonate. <i>Environmental Science & Technology</i> , 2021, 55, 9012-9023.	10.0	4
49	Bayesian Refinement of the Permeability-Limited Physiologically Based Pharmacokinetic Model for Perfluorooctanoic Acid in Male Rats. <i>Chemical Research in Toxicology</i> , 2021, 34, 2298-2308.	3.3	4
50	Response to Comment on Screening for PBT Chemicals among the "Existing" and "New" Chemicals of the EU. <i>Environmental Science & Technology</i> , 2013, 47, 6065-6066.	10.0	3
51	A Classification Model to Identify Direct-Acting Mutagenic Polycyclic Aromatic Hydrocarbon Transformation Products. <i>Chemical Research in Toxicology</i> , 2021, 34, 2273-2286.	3.3	3
52	A population-based simultaneous fugacity model design for polychlorinated biphenyls (PCBs) transport in an aquatic system. <i>MethodsX</i> , 2018, 5, 1311-1323.	1.6	2