

# Ronan Cariou

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,070  
citations

279701

23  
h-index

233338

45  
g-index

62  
all docs

62  
docs citations

62  
times ranked

2340  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exposure assessment of French women and their newborns to tetrabromobisphenol-A: Occurrence measurements in maternal adipose tissue, serum, breast milk and cord serum. <i>Chemosphere</i> , 2008, 73, 1036-1041.	4.2	201
2	Environmental Risks of Medium-Chain Chlorinated Paraffins (MCCPs): A Review. <i>Environmental Science &amp; Technology</i> , 2018, 52, 6743-6760.	4.6	171
3	Perfluoroalkyl acid (PFAA) levels and profiles in breast milk, maternal and cord serum of French women and their newborns. <i>Environment International</i> , 2015, 84, 71-81.	4.8	167
4	Native vs. Damaged Milk Fat Globules: Membrane Properties Affect the Viscoelasticity of Milk Gels. <i>Journal of Dairy Science</i> , 2002, 85, 2451-2461.	1.4	150
5	Exposure assessment of French women and their newborn to brominated flame retardants: Determination of tri- to deca- polybromodiphenylethers (PBDE) in maternal adipose tissue, serum, breast milk and cord serum. <i>Environmental Pollution</i> , 2009, 157, 164-173.	3.7	149
6	New data regarding phytoestrogens content in bovine milk. <i>Food Chemistry</i> , 2004, 87, 275-281.	4.2	86
7	Exposure assessment of fetus and newborn to brominated flame retardants in France: preliminary data. <i>Molecular Nutrition and Food Research</i> , 2008, 52, 258-265.	1.5	81
8	Probing new approaches using atmospheric pressure photo ionization for the analysis of brominated flame retardants and their related degradation products by liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2005, 1082, 98-109.	1.8	80
9	New multiresidue analytical method dedicated to trace level measurement of brominated flame retardants in human biological matrices. <i>Journal of Chromatography A</i> , 2005, 1100, 144-152.	1.8	77
10	Identification of phytoestrogens in bovine milk using liquid chromatography/electrospray tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 1256-1264.	0.7	62
11	Analysis of Medium-Chain and Long-Chain Chlorinated Paraffins: The Urgent Need for More Specific Analytical Standards. <i>Environmental Science and Technology Letters</i> , 2018, 5, 708-717.	3.9	61
12	Screening halogenated environmental contaminants in biota based on isotopic pattern and mass defect provided by high resolution mass spectrometry profiling. <i>Analytica Chimica Acta</i> , 2016, 936, 130-138.	2.6	54
13	HaloSeeker 1.0: A User-Friendly Software to Highlight Halogenated Chemicals in Nontargeted High-Resolution Mass Spectrometry Data Sets. <i>Analytical Chemistry</i> , 2019, 91, 3500-3507.	3.2	52
14	Dealing with strong mass interferences of chlorinated paraffins and their transformation products: An analytical guide. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 106, 116-124.	5.8	42
15	Micropollutants and chemical residues in organic and conventional meat. <i>Food Chemistry</i> , 2017, 232, 218-228.	4.2	40
16	Measurement of phthalates diesters in food using gas chromatography-tandem mass spectrometry. <i>Food Chemistry</i> , 2016, 196, 211-219.	4.2	37
17	Levels of persistent organic pollutants (POPs) in foods from the first regional Sub-Saharan Africa Total Diet Study. <i>Environment International</i> , 2020, 135, 105413.	4.8	36
18	Addressing Main Challenges Regarding Short- and Medium-Chain Chlorinated Paraffin Analysis Using GC/ECNI-MS and LC/ESI-MS Methods. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1885-1895.	1.2	36

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19	Comparison of Analytical Strategies for the Chromatographic and Mass Spectrometric Measurement of Brominated Flame Retardants: 1. Polybrominated Diphenylethers. <i>Journal of Chromatographic Science</i> , 2006, 44, 489-497.	0.7	30
20	Determination of chlorinated paraffins (CPs): Analytical conundrums and the pressing need for reliable and relevant standards. <i>Chemosphere</i> , 2022, 286, 131878.	4.2	30
21	Dietary exposure to perfluoroalkyl acids of specific French adult sub-populations: High seafood consumers, high freshwater fish consumers and pregnant women. <i>Science of the Total Environment</i> , 2014, 491-492, 170-175.	3.9	27
22	Transfer of short-, medium-, and long-chain chlorinated paraffins to eggs of laying hens after dietary exposure. <i>Food Chemistry</i> , 2021, 343, 128491.	4.2	26
23	Perfluoroalkyl Acid Contamination and Polyunsaturated Fatty Acid Composition of French Freshwater and Marine Fishes. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 7593-7603.	2.4	25
24	Non-targeted screening methodology to characterise human internal chemical exposure: Application to halogenated compounds in human milk. <i>Talanta</i> , 2021, 225, 121979.	2.9	25
25	Toward the characterisation of non-intentionally added substances migrating from polyester-polyurethane lacquers by comprehensive gas chromatography-mass spectrometry technologies. <i>Journal of Chromatography A</i> , 2019, 1601, 327-334.	1.8	23
26	Optimized characterization of short-, medium, and long-chain chlorinated paraffins in liquid chromatography-high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1619, 460927.	1.8	23
27	Tissue Distribution and Transfer to Eggs of Ingested $\hat{\pm}$ -Hexabromocyclododecane ( $\hat{\pm}$ -HBCDD) in Laying Hens ( <i>Gallus domesticus</i> ). <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2112-2119.	2.4	22
28	Elucidation of non-intentionally added substances migrating from polyester-polyurethane lacquers using automated LC-HRMS data processing. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5391-5403.	1.9	22
29	Multi-functional sample preparation procedure for measuring phytoestrogens in milk, cereals, and baby-food by liquid-chromatography tandem mass spectrometry with subsequent determination of their estrogenic activity using transcriptomic assay. <i>Analytica Chimica Acta</i> , 2009, 637, 55-63.	2.6	20
30	Short-term effects of a perinatal exposure to the HBCDD $\hat{\pm}$ -isomer in rats: Assessment of early motor and sensory development, spontaneous locomotor activity and anxiety in pups. <i>Neurotoxicology and Teratology</i> , 2015, 52, 170-180.	1.2	20
31	Nontargeted LC/ESI-HRMS Detection of Polyhalogenated Compounds in Marine Mammals Stranded on French Atlantic Coasts. <i>ACS ES&amp;T Water</i> , 2021, 1, 309-318.	2.3	16
32	Prediction of the PCDD/F and dl-PCB 2005-WHO-TEQ content based on the contribution of six congeners: Toward a new screening approach for fish samples?. <i>Environmental Pollution</i> , 2010, 158, 941-947.	3.7	14
33	Predicting PCDD/F and dioxin-like PCB contamination levels in bovine edible tissues from in vivo sampling. <i>Chemosphere</i> , 2010, 80, 634-640.	4.2	14
34	APCI as an innovative ionization mode compared with EI and CI for the analysis of a large range of organophosphate esters using GC-MS/MS. <i>Journal of Mass Spectrometry</i> , 2017, 52, 54-61.	0.7	14
35	Occurrence of Dechlorane Plus and related compounds in catfish ( <i>Silurus spp.</i> ) from rivers in France. <i>Chemosphere</i> , 2018, 207, 413-420.	4.2	13
36	Accumulation of short-, medium-, and long- chain chlorinated paraffins in tissues of laying hens after dietary exposure. <i>Food Chemistry</i> , 2021, 351, 129289.	4.2	13

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37	Histopathologic Alterations Associated with Global Gene Expression Due to Chronic Dietary TCDD Exposure in Juvenile Zebrafish. PLoS ONE, 2014, 9, e100910.	1.1	12
38	Effects of mono-(2-ethylhexyl) phthalate (MEHP) on chicken germ cells cultured in vitro. Environmental Science and Pollution Research, 2013, 20, 2771-2783.	2.7	11
39	Hens can ingest extruded polystyrene in rearing buildings and lay eggs contaminated with hexabromocyclododecane. Chemosphere, 2017, 186, 62-67.	4.2	11
40	In ovo transformation of two emerging flame retardants in Japanese quail (Coturnix japonica). Ecotoxicology and Environmental Safety, 2018, 149, 51-57.	2.9	10
41	Dechlorane Plus and Related Compounds in Food – A Review. International Journal of Environmental Research and Public Health, 2021, 18, 690.	1.2	10
42	Accumulation of $\hat{I}\pm$ -hexabromocyclododecane ( $\hat{I}\pm$ -HBCDD) in tissues of fast- and slow-growing broilers (Gallus domesticus). Chemosphere, 2017, 178, 424-431.	4.2	9
43	Assessment of Dechlorane Plus and related compounds in foodstuffs and estimates of daily intake from Lebanese population. Chemosphere, 2019, 235, 492-497.	4.2	9
44	Enantiomer-specific accumulation and depuration of $\hat{I}\pm$ -hexabromocyclododecane ( $\hat{I}\pm$ -HBCDD) in chicken ( ) Tj ETQq0,0 0 rgBT/Overlock	4.2	7
45	Undernutrition combined with dietary mineral oil hastens depuration of stored dioxin and polychlorinated biphenyls in ewes. 1. Kinetics in blood, adipose tissue and faeces. PLoS ONE, 2020, 15, e0230629.	1.1	6
46	Do farming conditions influence brominated flame retardant levels in pig and poultry products?. Animal, 2020, 14, 1313-1321.	1.3	5
47	Thorough investigation of non-volatile substances extractible from inner coatings of metallic cans and their occurrence in the canned vegetables. Journal of Hazardous Materials, 2022, 435, 129026.	6.5	4
48	Influence of the solvent quality on the AhR mediated Procept <sup>®</sup> assay measurement of dioxin and dioxin-like compounds. Talanta, 2010, 80, 2063-2067.	2.9	3
49	Undernutrition combined with dietary mineral oil hastens depuration of stored dioxin and polychlorinated biphenyls in ewes. 2. Tissue distribution, mass balance and body burden. PLoS ONE, 2020, 15, e0230628.	1.1	3
50	Identification by volatilomics of hydrocarbon, oxygenated, sulfur and aromatic markers of livestock exposure to $\hat{I}\pm$ -hexabromocyclododecane. Food Chemistry, 2022, 374, 131504.	4.2	3
51	Application of an aryl hydrocarbon receptor based screening assay for assessing U.S. EPA draft remediation goals for dioxin in soil and sediment samples. International Journal of Environmental Analytical Chemistry, 2013, 93, 35-47.	1.8	2
52	Enantiomeric fraction of hexabromocyclododecanes in foodstuff from the Belgian market. Chemosphere, 2020, 260, 127607.	4.2	2
53	Title is missing!. , 2020, 15, e0230628.		0
54	Title is missing!. , 2020, 15, e0230628.		0

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55	Title is missing!. , 2020, 15, e0230628.		0
56	Title is missing!. , 2020, 15, e0230628.		0
57	Title is missing!. , 2020, 15, e0230629.		0
58	Title is missing!. , 2020, 15, e0230629.		0
59	Title is missing!. , 2020, 15, e0230629.		0
60	Improving infant food safety by avoiding hazards of chemical mixture effects using novel integrated methods based on bioassays and analytical chemistry. , 2022, 2, 100012.		0