

# Rita Loch-Caruso

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5264231/publications.pdf>

Version: 2024-02-01

69  
papers

2,329  
citations

201674

27  
h-index

223800

46  
g-index

75  
all docs

75  
docs citations

75  
times ranked

2699  
citing authors

#	ARTICLE	IF	CITATIONS
1	Urinary Phthalate Metabolites in Relation to Preterm Birth in Mexico City. <i>Environmental Health Perspectives</i> , 2009, 117, 1587-1592.	6.0	219
2	Urinary phthalate metabolites in relation to biomarkers of inflammation and oxidative stress: NHANES 1999-2006. <i>Environmental Research</i> , 2011, 111, 718-726.	7.5	176
3	Urinary Phthalate Metabolite Associations with Biomarkers of Inflammation and Oxidative Stress Across Pregnancy in Puerto Rico. <i>Environmental Science &amp; Technology</i> , 2014, 48, 7018-7025.	10.0	157
4	Perfluoroalkyl and polyfluoroalkyl substances (PFAS) and their effects on the ovary. <i>Human Reproduction Update</i> , 2020, 26, 724-752.	10.8	147
5	Mono-2-ethylhexyl phthalate induces oxidative stress responses in human placental cells in vitro. <i>Toxicology and Applied Pharmacology</i> , 2013, 268, 47-54.	2.8	124
6	Exploration of Oxidative Stress and Inflammatory Markers in Relation to Urinary Phthalate Metabolites: NHANES 1999-2006. <i>Environmental Science &amp; Technology</i> , 2012, 46, 477-485.	10.0	106
7	Repeated measures of urinary oxidative stress biomarkers during pregnancy and preterm birth. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 212, 208.e1-208.e8.	1.3	90
8	Abnormal development and dye coupling produced by antisense RNA to gap junction protein in mouse preimplantation embryos.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 5444-5448.	7.1	78
9	Optimization of electrochemical dechlorination of trichloroethylene in reducing electrolytes. <i>Water Research</i> , 2012, 46, 1847-1857.	11.3	65
10	Troubleshooting the dichlorofluorescein assay to avoid artifacts in measurement of toxicant-stimulated cellular production of reactive oxidant species. <i>Journal of Pharmacological and Toxicological Methods</i> , 2013, 67, 56-60.	0.7	58
11	Involvement of reactive oxygen species in brominated diphenyl ether-47-induced inflammatory cytokine release from human extravillous trophoblasts in vitro. <i>Toxicology and Applied Pharmacology</i> , 2014, 274, 283-292.	2.8	48
12	Trichloroethylene metabolite S-(1,2-dichlorovinyl)-l-cysteine induces lipid peroxidation-associated apoptosis via the intrinsic and extrinsic apoptosis pathways in a first-trimester placental cell line. <i>Toxicology and Applied Pharmacology</i> , 2018, 338, 30-42.	2.8	44
13	Associations between Maternal Biomarkers of Phthalate Exposure and Inflammation Using Repeated Measurements across Pregnancy. <i>PLoS ONE</i> , 2015, 10, e0135601.	2.5	44
14	Examining Joint Effects of Air Pollution Exposure and Social Determinants of Health in Defining "At-Risk" Populations Under the Clean Air Act: Susceptibility of Pregnant Women to Hypertensive Disorders of Pregnancy. <i>World Medical and Health Policy</i> , 2018, 10, 7-54.	1.6	43
15	Electrochemically Induced Dual Reactive Barriers for Transformation of TCE and Mixture of Contaminants in Groundwater. <i>Environmental Science &amp; Technology</i> , 2012, 46, 12003-12011.	10.0	42
16	Gap Junctional Communication and Vascular Smooth Muscle Reactivity: Use of Tetraethylammonium Chloride. <i>Journal of Vascular Research</i> , 1994, 31, 307-313.	1.4	39
17	Concentrations and speciation of polybrominated diphenyl ethers in human amniotic fluid. <i>Science of the Total Environment</i> , 2012, 417-418, 294-298.	8.0	39
18	Polybrominated Diphenyl Ethers in Human Gestational Membranes from Women in Southeast Michigan. <i>Environmental Science &amp; Technology</i> , 2009, 43, 3042-3046.	10.0	38

#	ARTICLE	IF	CITATIONS
19	The role of gap junctional communication in contractile oscillations in arteries from normotensive and hypertensive rats. <i>Journal of Hypertension</i> , 1995, 13, 1123-1134.	0.5	36
20	Inhibited Intercellular Communication as a Mechanistic Link Between Teratogenesis and Carcinogenesis. <i>CRC Critical Reviews in Toxicology</i> , 1985, 16, 157-183.	4.9	35
21	Associations between maternal plasma measurements of inflammatory markers and urinary levels of phenols and parabens during pregnancy: A repeated measures study. <i>Science of the Total Environment</i> , 2019, 650, 1131-1140.	8.0	35
22	Congener-specific effects of pcbs on contractions of pregnant rat uteri. <i>Reproductive Toxicology</i> , 1996, 10, 21-28.	2.9	34
23	Mono-ethylhexyl phthalate stimulates prostaglandin secretion in human placental macrophages and THP-1 cells. <i>Reproductive Biology and Endocrinology</i> , 2015, 13, 56.	3.3	33
24	Protective effect of nuclear factor E2-related factor 2 on inflammatory cytokine response to brominated diphenyl ether-47 in the HTR-8/SVneo human first trimester extravillous trophoblast cell line. <i>Toxicology and Applied Pharmacology</i> , 2014, 281, 67-77.	2.8	32
25	Reactive Oxygen Stimulation of Interleukin-6 Release in the Human Trophoblast Cell Line HTR-8/SVneo by the Trichlorethylene Metabolite S-(1,2-Dichloro)-L-Cysteine. <i>Biology of Reproduction</i> , 2016, 95, 66-66.	2.7	32
26	Stimulation of Oscillatory Uterine Contraction by the PCB Mixture Aroclor 1242 May Involve Increased [Ca <sup>2+</sup> ] <sub>i</sub> through Voltage-Operated Calcium Channels. <i>Toxicology and Applied Pharmacology</i> , 1999, 155, 261-272.	2.8	29
27	Rat myometrial smooth muscle cells show high levels of gap junctional communication under a variety of culture conditions. <i>In Vitro Cellular &amp; Developmental Biology</i> , 1992, 28, 97-101.	1.0	27
28	Antioxidants Prevent <sup>13</sup> C-Hexachlorocyclohexane-Induced Inhibition of Rat Myometrial Gap Junctions and Contractions. <i>Biology of Reproduction</i> , 2001, 64, 537-547.	2.7	27
29	Polycyclic aromatic hydrocarbon exposure results in altered CRH, reproductive, and thyroid hormone concentrations during human pregnancy. <i>Science of the Total Environment</i> , 2020, 749, 141581.	8.0	27
30	Role of Cytokine Signaling in Group B <i>Streptococcus</i> -Stimulated Expression of Human Beta Defensin-2 in Human Extraplacental Membranes. <i>American Journal of Reproductive Immunology</i> , 2015, 73, 263-272.	1.2	26
31	Tetrabromobisphenol A activates inflammatory pathways in human first trimester extravillous trophoblasts in vitro. <i>Reproductive Toxicology</i> , 2014, 50, 154-162.	2.9	25
32	Identification of environmental chemicals targeting miscarriage genes and pathways using the comparative toxicogenomics database. <i>Environmental Research</i> , 2020, 184, 109259.	7.5	25
33	Association and Virulence Gene Expression Vary among Serotype III Group B <i>Streptococcus</i> Isolates following Exposure to Decidual and Lung Epithelial Cells. <i>Infection and Immunity</i> , 2014, 82, 4587-4595.	2.2	21
34	Uterine muscle as a potential target of polychlorinated biphenyls during pregnancy. <i>International Journal of Hygiene and Environmental Health</i> , 2002, 205, 121-130.	4.3	20
35	Comparison of LPS-stimulated release of cytokines in punch versus transwell tissue culture systems of human gestational membranes. <i>Reproductive Biology and Endocrinology</i> , 2010, 8, 121.	3.3	20
36	Trichloroethylene exposure in mid-pregnancy decreased fetal weight and increased placental markers of oxidative stress in rats. <i>Reproductive Toxicology</i> , 2019, 83, 38-45.	2.9	20

#	ARTICLE	IF	CITATIONS
37	Increase of Oxytocin-Induced Oscillatory Contractions by 4-hydroxy-2,4,6-Trichlorobiphenyl is Estrogen Receptor Mediated. <i>Biology of Reproduction</i> , 1997, 56, 341-347.	2.7	17
38	Investigation of the role of estrogenic action and prostaglandin E2 in DDT-stimulated rat uterine contractions ex vivo. <i>Toxicology</i> , 1992, 74, 161-172.	4.2	16
39	The trichloroethylene metabolite S-(1,2-dichlorovinyl)-L-cysteine induces progressive mitochondrial dysfunction in HTR-8/SVneo trophoblasts. <i>Toxicology</i> , 2019, 427, 152283.	4.2	16
40	The trichloroethylene metabolite S-(1,2-dichlorovinyl)-l-cysteine but not trichloroacetate inhibits pathogen-stimulated TNF- $\alpha$ in human extraplacental membranes in vitro. <i>Reproductive Toxicology</i> , 2015, 52, 1-6.	2.9	15
41	Protective effect of $\alpha$ -tocopherol on brominated diphenyl ether-47-stimulated prostaglandin pathways in human extravillous trophoblasts in vitro. <i>Toxicology in Vitro</i> , 2015, 29, 1309-1318.	2.4	15
42	Group B streptococcus activates transcriptomic pathways related to premature birth in human extraplacental membranes in vitro. <i>Biology of Reproduction</i> , 2018, 98, 396-407.	2.7	15
43	Acute Inhibition of Spontaneous Uterine Contractions by an Estrogenic Polychlorinated Biphenyl Is Associated with Disruption of Gap Junctional Communication. <i>Toxicology and Applied Pharmacology</i> , 1998, 152, 18-29.	2.8	14
44	Phospholipase-Mediated Inhibition of Spontaneous Oscillatory Uterine Contractions by Lindane in Vitro. <i>Toxicology and Applied Pharmacology</i> , 2002, 182, 136-147.	2.8	13
45	Placenta as a target of trichloroethylene toxicity. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 472-486.	3.5	13
46	Interactions between chemicals and non-chemical stressors: The modifying effect of life events on the association between triclocarban, phenols and parabens with gestational length in a Puerto Rican cohort. <i>Science of the Total Environment</i> , 2020, 708, 134719.	8.0	12
47	Maternal blood metal concentrations and whole blood DNA methylation during pregnancy in the Early Autism Risk Longitudinal Investigation (EARLI). <i>Epigenetics</i> , 2022, 17, 253-268.	2.7	12
48	Maternal Urinary Metal and Metalloid Concentrations in Association with Oxidative Stress Biomarkers. <i>Antioxidants</i> , 2021, 10, 114.	5.1	11
49	Divergent Roles for Glutathione in Lindane-Induced Acute and Delayed-Onset Inhibition of Rat Myometrial Gap Junctions. <i>Toxicological Sciences</i> , 2005, 85, 694-702.	3.1	10
50	Gestational Hormone Concentrations Are Associated With Timing of Delivery in a Fetal Sex-Dependent Manner. <i>Frontiers in Endocrinology</i> , 2021, 12, 742145.	3.5	10
51	Brominated diphenyl ether-47 differentially regulates cellular migration and invasion in a human first trimester trophoblast cell line. <i>Reproductive Toxicology</i> , 2020, 93, 191-198.	2.9	9
52	A Mechanistic-Based Approach for Assessing Chemical Hazards to Parturition. <i>Journal of Women's Health</i> , 1999, 8, 235-248.	0.9	8
53	A calcium-independent phospholipase activity insensitive to bromoenol lactone mediates arachidonic acid release by lindane in rat myometrial cells. <i>Life Sciences</i> , 2001, 70, 453-470.	4.3	8
54	Increased contraction frequency in rat uterine strips treated In Vitro with o,p'-DDT. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1991, 46, 751-755.	2.7	7

#	ARTICLE	IF	CITATIONS
55	Detection of lindane and 7,12-dimethylbenz[a]anthracene toxicity at low concentrations in a three-dimensional ovarian follicle culture system. <i>Reproductive Toxicology</i> , 2018, 78, 141-149.	2.9	7
56	N-Acetyl-l-cysteine and aminooxyacetic acid differentially modulate trichloroethylene reproductive toxicity via metabolism in Wistar rats. <i>Archives of Toxicology</i> , 2021, 95, 1303-1321.	4.2	6
57	Transcriptional profiling of the response to the trichloroethylene metabolite S-(1,2-dichlorovinyl)-l-cysteine revealed activation of the eIF2 $\alpha$ /ATF4 integrated stress response in two in vitro placental models. <i>Archives of Toxicology</i> , 2021, 95, 1595-1619.	4.2	6
58	Stimulatory effects of a microbially dechlorinated polychlorinated biphenyl (PCB) mixture on rat uterine contraction in vitro. <i>Environmental Research</i> , 2008, 107, 185-193.	7.5	4
59	Tert-Butyl Hydroperoxide Stimulated Apoptosis Independent of Prostaglandin E2 and IL-6 in the HTR-8/SVneo Human Placental Cell Line. <i>Reproductive Sciences</i> , 2020, 27, 2104-2114.	2.5	4
60	Toxicity assessments of selected trichloroethylene and perchloroethylene metabolites in three in vitro human placental models. <i>Reproductive Toxicology</i> , 2022, 109, 109-120.	2.9	4
61	Nickel-induced increases in gap junctional communication in the uterine cell line SK-UT-1. <i>In Vitro Cellular &amp; Developmental Biology</i> , 1993, 29, 215-220.	1.0	3
62	Toxicant Disruption of Immune Defenses: Potential Implications for Fetal Membranes and Pregnancy. <i>Frontiers in Physiology</i> , 2020, 11, 565.	2.8	3
63	A Data Mining Approach Reveals Chemicals Detected at Higher Levels in Non-Hispanic Black Women Target Preterm Birth Genes and Pathways. <i>Reproductive Sciences</i> , 2022, 29, 2001-2012.	2.5	3
64	Trichloroethylene modifies energy metabolites in the amniotic fluid of Wistar rats. <i>Reproductive Toxicology</i> , 2022, 109, 80-92.	2.9	2
65	Case Studyâ€“Puerto Rico Test Site for Exploring Contamination Threats. , 2012, , .		1
66	Team Science Applied to Environmental Health Research: Karst Hydrogeology and Preterm Birth in Puerto Rico. <i>Advances in Karst Science</i> , 2018, , 17-25.	0.3	1
67	Comparison of rat fetal sex determination using placental gDNA and mRNA via qRT-PCR. , 2020, 3, .		1
68	The trichloroethylene metabolite S-(1,2-dichlorovinyl)-l-cysteine inhibits lipopolysaccharide-induced inflammation transcriptomic pathways and cytokine secretion in a macrophage cell model. <i>Toxicology in Vitro</i> , 2022, 84, 105429.	2.4	1
69	Characterization of O, $\beta$ -DDT-Stimulated Contraction Frequency in Rat Uterus in Vitro. <i>Toxicological Sciences</i> , 1991, 17, 543-549.	3.1	0