Karilyn E Sant

List of Publications by Year
in descending order

33 papers	1,382 citations	471371 17 h-index	454834 30 g-index
33 all docs	33 docs citations	33 times ranked	2371 citing authors

#	Article	IF	Citations
1	Nutrition and epigenetics: an interplay of dietary methyl donors, one-carbon metabolism and DNA methylation. Journal of Nutritional Biochemistry, 2012, 23, 853-859.	1.9	608
2	Zebrafish as a Model for Toxicological Perturbation of Yolk and Nutrition in the Early Embryo. Current Environmental Health Reports, 2018, 5, 125-133.	3.2	103
3	Embryonic exposures to perfluorooctanesulfonic acid (PFOS) disrupt pancreatic organogenesis in the zebrafish, Danio rerio. Environmental Pollution, 2017, 220, 807-817.	3.7	65
4	The role of Nrf1 and Nrf2 in the regulation of glutathione and redox dynamics in the developing zebrafish embryo. Redox Biology, 2017, 13, 207-218.	3.9	58
5	Regulation of Ahr signaling by Nrf2 during development: Effects of Nrf2a deficiency on PCB126 embryotoxicity in zebrafish (Danio rerio). Aquatic Toxicology, 2015, 167, 157-171.	1.9	45
6	Perfluorobutanesulfonic Acid Disrupts Pancreatic Organogenesis and Regulation of Lipid Metabolism in the Zebrafish, Danio rerio. Toxicological Sciences, 2019, 167, 258-268.	1.4	45
7	Nrf2a modulates the embryonic antioxidant response to perfluorooctanesulfonic acid (PFOS) in the zebrafish, Danio rerio. Aquatic Toxicology, 2018, 198, 92-102.	1.9	41
8	Novel Epigenetic Biomarkers Mediating Bisphenol A Exposure and Metabolic Phenotypes in Female Mice. Endocrinology, 2017, 158, 31-40.	1.4	37
9	Embryonic exposure to Mono(2-ethylhexyl) phthalate (MEHP) disrupts pancreatic organogenesis in zebrafish (Danio rerio). Chemosphere, 2018, 195, 498-507.	4.2	35
10	DNA Methylation Screening and Analysis. Methods in Molecular Biology, 2012, 889, 385-406.	0.4	31
11	Developmental exposures to perfluorooctanesulfonic acid (PFOS) impact embryonic nutrition, pancreatic morphology, and adiposity in the zebrafish, Danio rerio. Environmental Pollution, 2021, 275, 116644.	3.7	29
12	Mono-2-ethylhexyl phthalate disrupts neurulation and modifies the embryonic redox environment and gene expression. Reproductive Toxicology, 2016, 63, 32-48.	1.3	28
13	Associations between Exposures to Perfluoroalkyl Substances and Diabetes, Hyperglycemia, or Insulin Resistance: A Scoping Review. Journal of Xenobiotics, 2021, 11, 115-129.	2.9	27
14	Inhibition of glutathione biosynthesis alters compartmental redox status and the thiol proteome in organogenesis-stage rat conceptuses. Free Radical Biology and Medicine, 2013, 63, 325-337.	1.3	24
15	Deviant development of pancreatic beta cells from embryonic exposure to PCB-126 in zebrafish. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2015, 178, 25-32.	1.3	20
16	Mono-2-ethylhexyl phthalate (MEHP) alters histiotrophic nutrition pathways and epigenetic processes in the developing conceptus. Journal of Nutritional Biochemistry, 2016, 27, 211-218.	1.9	20
17	Pancreatic beta cells are a sensitive target of embryonic exposure to butylparaben in zebrafish (Danio rerio). Birth Defects Research, 2018, 110, 933-948.	0.8	20
18	Assessment of Toxicological Perturbations and Variants of Pancreatic Islet Development in the Zebrafish Model. Toxics, 2016, 4, 20.	1.6	18

#	Article	IF	Citations
19	The emerging contaminant 3,3â€²-dichlorobiphenyl (PCB-11) impedes Ahr activation and Cyp1a activity to modify embryotoxicity of Ahr ligands in the zebrafish embryo model (Danio rerio). Environmental Pollution, 2019, 254, 113027.	3.7	17
20	Ethanol Attenuates Histiotrophic Nutrition Pathways and Alters the Intracellular Redox Environment and Thiol Proteome during Rat Organogenesis. Toxicological Sciences, 2015, 147, 475-489.	1.4	15
21	Inhibition of proteolysis in histiotrophic nutrition pathways alters DNA methylation and one-carbon metabolism in the organogenesis-stage rat conceptus. Journal of Nutritional Biochemistry, 2013, 24, 1479-1487.	1.9	14
22	Amino acid starvation induced by protease inhibition produces differential alterations in redox status and the thiol proteome in organogenesis-stage rat embryos and visceral yolk sacs. Journal of Nutritional Biochemistry, 2015, 26, 1589-1598.	1.9	11
23	Embryonic exposures to mono-2-ethylhexyl phthalate induce larval steatosis in zebrafish independent of Nrf2a signaling. Journal of Developmental Origins of Health and Disease, 2021, 12, 132-140.	0.7	11
24	Maternal preconception PFOS exposure of Drosophila melanogaster alters reproductive capacity, development, morphology and nutrient regulation. Food and Chemical Toxicology, 2021, 151, 112153.	1.8	11
25	Detection, Quantification, and Simplified Wastewater Surveillance Model of SARS-CoV-2 RNA in the Tijuana River. ACS ES&T Water, 2022, 2, 2134-2143.	2.3	11
26	Epigenomeâ€wide DNA methylation analysis implicates neuronal and inflammatory signaling pathways in adult murine hepatic tumorigenesis following perinatal exposure to bisphenol A. Environmental and Molecular Mutagenesis, 2016, 57, 435-446.	0.9	10
27	Modulation of PPAR signaling disrupts pancreas development in the zebrafish, Danio rerio. Toxicology and Applied Pharmacology, 2021, 426, 115653.	1.3	10
28	The ecotoxicological contaminant tris(4-chlorophenyl)methanol (TCPMOH) impacts embryonic development in zebrafish (Danio rerio). Aquatic Toxicology, 2021, 235, 105815.	1.9	6
29	Association between particulate matter air pollution and heart attacks in San Diego County. Journal of the Air and Waste Management Association, 2021, 71, 1585-1594.	0.9	5
30	Mathematical modeling of the interaction between yolk utilization and fish growth in zebrafish,Danio rerio. Development (Cambridge), 2021, 148, .	1.2	4
31	Methods for Analysis of DNA Methylation. , 2019, , 347-377.		3
32	B-vitamins & one-carbon metabolism. , 2019, , 319-336.		0
33	The Role of Diversity, Equity, and Inclusion in the Future of Toxicology. Toxicological Sciences, 2021, 182, 355-356.	1.4	0