Susan C Tilton

List of Publications by Year
in descending order

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49 papers	2,218 citations	236925 25 h-index	223800 46 g-index
49 all docs	49 docs citations	49 times ranked	4370 citing authors

#	Article	IF	Citations
1	Benzo[a]pyrene (BaP) metabolites predominant in human plasma following escalating oral micro-dosing with [14C]-BaP. Environment International, 2022, 159, 107045.	10.0	16
2	3,3â€²-Diindolylmethane Exhibits Significant Metabolism after Oral Dosing in Humans. Drug Metabolism and Disposition, 2021, 49, 694-705.	3.3	15
3	Linking Coregulated Gene Modules with Polycyclic Aromatic Hydrocarbon-Related Cancer Risk in the 3D Human Bronchial Epithelium. Chemical Research in Toxicology, 2021, 34, 1445-1455.	3.3	10
4	Classifying polycyclic aromatic hydrocarbons by carcinogenic potency using in vitro biosignatures. Toxicology in Vitro, 2020, 69, 104991.	2.4	7
5	Aryl Hydrocarbon Receptor Mediates Larval Zebrafish Fin Duplication Following Exposure to Benzofluoranthenes. Toxicological Sciences, 2020, 176, 46-64.	3.1	5
6	Comparative mechanisms of PAH toxicity by benzo[a]pyrene and dibenzo[def,p]chrysene in primary human bronchial epithelial cells cultured at air-liquid interface. Toxicology and Applied Pharmacology, 2019, 379, 114644.	2.8	27
7	Bioinformatics Resource Manager: a systems biology web tool for microRNA and omics data integration. BMC Bioinformatics, 2019, 20, 255.	2.6	5
8	Toxicokinetics of benzo[a]pyrene in humans: Extensive metabolism as determined by UPLC-accelerator mass spectrometry following oral micro-dosing. Toxicology and Applied Pharmacology, 2019, 364, 97-105.	2.8	23
9	Pharmacokinetics of [14C]-Benzo[a]pyrene (BaP) in humans: Impact of Co-Administration of smoked salmon and BaP dietary restriction. Food and Chemical Toxicology, 2018, 115, 136-147.	3.6	20
10	Systematic developmental neurotoxicity assessment of a representative PAH Superfund mixture using zebrafish. Toxicology and Applied Pharmacology, 2018, 354, 115-125.	2.8	65
11	Signaling Events Downstream of AHR Activation That Contribute to Toxic Responses: The Functional Role of an AHR-Dependent Long Noncoding RNA (slincR) Using the Zebrafish Model. Environmental Health Perspectives, 2018, 126, 117002.	6.0	28
12	Transcriptional changes in innate immunity genes in head kidneys from Aeromonas salmonicida-challenged rainbow trout fed a mixture of polycyclic aromatic hydrocarbons. Ecotoxicology and Environmental Safety, 2017, 142, 157-163.	6.0	16
13	AhR activation increases ILâ€2 production by alloreactive CD4⁺ T cells initiating the differentiation of mucosalâ€homing Tim3⁺Lag3⁺ Tr1 cells. European Journal of Immunology, 2017, 47, 1989-2001.	2.9	26
14	Nonmonotonic Pathway Gene Expression Analysis Reveals Oncogenic Role of p27/Kip1 at Intermediate Dose. Cancer Informatics, 2017, 16, 117693511774013.	1.9	3
15	The effect of inhibition of PP1 and TNFÎ± signaling on pathogenesis of SARS coronavirus. BMC Systems Biology, 2016, 10, 93.	3.0	58
16	Integrated Omics Analysis of Pathogenic Host Responses during Pandemic H1N1 Influenza Virus Infection: The Crucial Role of Lipid Metabolism. Cell Host and Microbe, 2016, 19, 254-266.	11.0	75
17	Cytochrome P450 1b1 in polycyclic aromatic hydrocarbon (PAH)-induced skin carcinogenesis: Tumorigenicity of individual PAHs and coal-tar extract, DNA adduction and expression of select genes in the Cyp1b1 knockout mouse. Toxicology and Applied Pharmacology, 2015, 287, 149-160.	2.8	26
18	Muscle Segment Homeobox Genes Direct Embryonic Diapause by Limiting Inflammation in the Uterus*. Journal of Biological Chemistry, 2015, 290, 15337-15349.	3.4	18

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19	Data integration reveals key homeostatic mechanisms following low dose radiation exposure. Toxicology and Applied Pharmacology, 2015, 285, 1-11.	2.8	13
20	Mechanism-Based Classification of PAH Mixtures to Predict Carcinogenic Potential. Toxicological Sciences, 2015, 146, 135-145.	3.1	23
21	Pathogenic Influenza Viruses and Coronaviruses Utilize Similar and Contrasting Approaches To Control Interferon-Stimulated Gene Responses. MBio, 2014, 5, e01174-14.	4.1	246
22	Early life perfluorooctanesulphonic acid (PFOS) exposure impairs zebrafish organogenesis. Aquatic Toxicology, 2014, 150, 124-132.	4.0	53
23	Three human cell types respond to multi-walled carbon nanotubes and titanium dioxide nanobelts with cell-specific transcriptomic and proteomic expression patterns. Nanotoxicology, 2014, 8, 533-548.	3.0	59
24	Integrative transcriptomic and proteomic analysis of osteocytic cells exposed to fluid flow reveals novel mechano-sensitive signaling pathways. Journal of Biomechanics, 2014, 47, 1838-1845.	2.1	29
25	Structurally distinct polycyclic aromatic hydrocarbons induce differential transcriptional responses in developing zebrafish. Toxicology and Applied Pharmacology, 2013, 272, 656-670.	2.8	73
26	Retinoic acidâ€dependent regulation of miRâ€19 expression elicits vertebrate axis defects. FASEB Journal, 2013, 27, 4866-4876.	0.5	11
27	Application of a fuzzy neural network model in predicting polycyclic aromatic hydrocarbon-mediated perturbations of the Cyp1b1 transcriptional regulatory network in mouse skin. Toxicology and Applied Pharmacology, 2013, 267, 192-199.	2.8	6
28	Global gene expression analysis reveals pathway differences between teratogenic and non-teratogenic exposure concentrations of bisphenol A and 17Î²-estradiol in embryonic zebrafish. Reproductive Toxicology, 2013, 38, 89-101.	2.9	39
29	Diet-induced obesity reprograms the inflammatory response of the murine lung to inhaled endotoxin. Toxicology and Applied Pharmacology, 2013, 267, 137-148.	2.8	18
30	Impaired Transcriptional Response of the Murine Heart to Cigarette Smoke in the Setting of High Fat Diet and Obesity. Chemical Research in Toxicology, 2013, 26, 1034-1042.	3.3	11
31	Dysregulation of Macrophage Activation Profiles by Engineered Nanoparticles. ACS Nano, 2013, 7, 6997-7010.	14.6	135
32	Release of Severe Acute Respiratory Syndrome Coronavirus Nuclear Import Block Enhances Host Transcription in Human Lung Cells. Journal of Virology, 2013, 87, 3885-3902.	3.4	140
33	Surface functionalities of gold nanoparticles impact embryonic gene expression responses. Nanotoxicology, 2013, 7, 192-201.	3.0	64
34	A Network Integration Approach to Predict Conserved Regulators Related to Pathogenicity of Influenza and SARS-CoV Respiratory Viruses. PLoS ONE, 2013, 8, e69374.	2.5	68
35	MicroRNAs control neurobehavioral development and function in zebrafish. FASEB Journal, 2012, 26, 1452-1461.	0.5	74
36	Early life stage trimethyltin exposure induces ADP-ribosylation factor expression and perturbs the vascular system in zebrafish. Toxicology, 2012, 302, 129-139.	4.2	11

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37	Bioinformatics resource manager v2.3: an integrated software environment for systems biology with microRNA and cross-species analysis tools. BMC Bioinformatics, 2012, 13, 311.	2.6	21
38	Polycyclic aromatic hydrocarbons as skin carcinogens: Comparison of benzo[a]pyrene, dibenzo[def,p]chrysene and three environmental mixtures in the FVB/N mouse. Toxicology and Applied Pharmacology, 2012, 264, 377-386.	2.8	140
39	Cell typeâ€dependent gene transcription profile in a threeâ€dimensional human skin tissue model exposed to low doses of ionizing radiation: Implications for medical exposures. Environmental and Molecular Mutagenesis, 2012, 53, 247-259.	2.2	17
40	Transcriptional impact of organophosphate and metal mixtures on olfaction: Copper dominates the chlorpyrifos-induced response in adult zebrafish. Aquatic Toxicology, 2011, 102, 205-215.	4.0	43
41	Separating the drivers from the driven: Integrative network and pathway approaches aid identification of disease biomarkers from high-throughput data. Disease Markers, 2010, 28, 253-66.	1.3	14
42	Gene Expression Profiles in Zebrafish Brain after Acute Exposure to Domoic Acid at Symptomatic and Asymptomatic Doses. Toxicological Sciences, 2009, 107, 65-77.	3.1	53
43	In vitro hepatic metabolism of 2,2â€²,4,4â€²,5-pentabromodiphenyl ether (BDE 99) in Chinook Salmon (Onchorhynchus tshawytscha). Aquatic Toxicology, 2009, 92, 281-287.	4.0	76
44	Transcriptional Biomarkers and Mechanisms of Copper-Induced Olfactory Injury in Zebrafish. Environmental Science & Technology, 2008, 42, 9404-9411.	10.0	60
45	Genomic Profiling Reveals an Alternate Mechanism for Hepatic Tumor Promotion by Perfluorooctanoic Acid in Rainbow Trout. Environmental Health Perspectives, 2008, 116, 1047-1055.	6.0	68
46	Gene expression analysis during tumor enhancement by the dietary phytochemical, 3,3â€²-diindolylmethane, in rainbow trout. Carcinogenesis, 2007, 28, 1589-1598.	2.8	22
47	Toxicogenomic Profiling of the Hepatic Tumor Promoters Indole-3-Carbinol, 17Î²-Estradiol and Î²-Naphthoflavone in Rainbow Trout. Toxicological Sciences, 2006, 90, 61-72.	3.1	68
48	RELATIONSHIP BETWEEN ETHINYLESTRADIOL-MEDIATED CHANGES IN ENDOCRINE FUNCTION AND REPRODUCTIVE IMPAIRMENT IN JAPANESE MEDAKA (ORYZIAS LATIPES). Environmental Toxicology and Chemistry, 2005, 24, 352.	4.3	59
49	Use of a Rainbow Trout Oligonucleotide Microarray to Determine Transcriptional Patterns in Aflatoxin B1-Induced Hepatocellular Carcinoma Compared to Adjacent Liver. Toxicological Sciences, 2005, 88, 319-330.	3.1	61