

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	Pathogenic Influenza Viruses and Coronaviruses Utilize Similar and Contrasting Approaches To Control Interferon-Stimulated Gene Responses. <i>MBio</i> , 2014, 5, e01174-14.	4.1	246
2	Polycyclic aromatic hydrocarbons as skin carcinogens: Comparison of benzo[a]pyrene, dibenzo[def,p]chrysene and three environmental mixtures in the FVB/N mouse. <i>Toxicology and Applied Pharmacology</i> , 2012, 264, 377-386.	2.8	140
3	Release of Severe Acute Respiratory Syndrome Coronavirus Nuclear Import Block Enhances Host Transcription in Human Lung Cells. <i>Journal of Virology</i> , 2013, 87, 3885-3902.	3.4	140
4	Dysregulation of Macrophage Activation Profiles by Engineered Nanoparticles. <i>ACS Nano</i> , 2013, 7, 6997-7010.	14.6	135
5	In vitro hepatic metabolism of 2,2,4,4,5-pentabromodiphenyl ether (BDE 99) in Chinook Salmon (<i>Onchorhynchus tshawytscha</i>). <i>Aquatic Toxicology</i> , 2009, 92, 281-287.	4.0	76
6	Integrated Omics Analysis of Pathogenic Host Responses during Pandemic H1N1 Influenza Virus Infection: The Crucial Role of Lipid Metabolism. <i>Cell Host and Microbe</i> , 2016, 19, 254-266.	11.0	75
7	MicroRNAs control neurobehavioral development and function in zebrafish. <i>FASEB Journal</i> , 2012, 26, 1452-1461.	0.5	74
8	Structurally distinct polycyclic aromatic hydrocarbons induce differential transcriptional responses in developing zebrafish. <i>Toxicology and Applied Pharmacology</i> , 2013, 272, 656-670.	2.8	73
9	Toxicogenomic Profiling of the Hepatic Tumor Promoters Indole-3-Carbinol, 17 β -Estradiol and 1 β -Naphthoflavone in Rainbow Trout. <i>Toxicological Sciences</i> , 2006, 90, 61-72.	3.1	68
10	Genomic Profiling Reveals an Alternate Mechanism for Hepatic Tumor Promotion by Perfluorooctanoic Acid in Rainbow Trout. <i>Environmental Health Perspectives</i> , 2008, 116, 1047-1055.	6.0	68
11	A Network Integration Approach to Predict Conserved Regulators Related to Pathogenicity of Influenza and SARS-CoV Respiratory Viruses. <i>PLoS ONE</i> , 2013, 8, e69374.	2.5	68
12	Systematic developmental neurotoxicity assessment of a representative PAH Superfund mixture using zebrafish. <i>Toxicology and Applied Pharmacology</i> , 2018, 354, 115-125.	2.8	65
13	Surface functionalities of gold nanoparticles impact embryonic gene expression responses. <i>Nanotoxicology</i> , 2013, 7, 192-201.	3.0	64
14	Use of a Rainbow Trout Oligonucleotide Microarray to Determine Transcriptional Patterns in Aflatoxin B1-Induced Hepatocellular Carcinoma Compared to Adjacent Liver. <i>Toxicological Sciences</i> , 2005, 88, 319-330.	3.1	61
15	Transcriptional Biomarkers and Mechanisms of Copper-Induced Olfactory Injury in Zebrafish. <i>Environmental Science & Technology</i> , 2008, 42, 9404-9411.	10.0	60
16	RELATIONSHIP BETWEEN ETHINYLESTRADIOL-MEDIATED CHANGES IN ENDOCRINE FUNCTION AND REPRODUCTIVE IMPAIRMENT IN JAPANESE MEDAKA (<i>ORYZIAS LATIPES</i>). <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 352.	4.3	59
17	Three human cell types respond to multi-walled carbon nanotubes and titanium dioxide nanobelts with cell-specific transcriptomic and proteomic expression patterns. <i>Nanotoxicology</i> , 2014, 8, 533-548.	3.0	59
18	The effect of inhibition of PP1 and TNF α signaling on pathogenesis of SARS coronavirus. <i>BMC Systems Biology</i> , 2016, 10, 93.	3.0	58

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19	Gene Expression Profiles in Zebrafish Brain after Acute Exposure to Domoic Acid at Symptomatic and Asymptomatic Doses. <i>Toxicological Sciences</i> , 2009, 107, 65-77.	3.1	53
20	Early life perfluorooctanesulphonic acid (PFOS) exposure impairs zebrafish organogenesis. <i>Aquatic Toxicology</i> , 2014, 150, 124-132.	4.0	53
21	Transcriptional impact of organophosphate and metal mixtures on olfaction: Copper dominates the chlorpyrifos-induced response in adult zebrafish. <i>Aquatic Toxicology</i> , 2011, 102, 205-215.	4.0	43
22	Global gene expression analysis reveals pathway differences between teratogenic and non-teratogenic exposure concentrations of bisphenol A and 17 β -estradiol in embryonic zebrafish. <i>Reproductive Toxicology</i> , 2013, 38, 89-101.	2.9	39
23	Integrative transcriptomic and proteomic analysis of osteocytic cells exposed to fluid flow reveals novel mechano-sensitive signaling pathways. <i>Journal of Biomechanics</i> , 2014, 47, 1838-1845.	2.1	29
24	Signaling Events Downstream of AHR Activation That Contribute to Toxic Responses: The Functional Role of an AHR-Dependent Long Noncoding RNA (<i>slincR</i>) Using the Zebrafish Model. <i>Environmental Health Perspectives</i> , 2018, 126, 117002.	6.0	28
25	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. <i>Toxicology and Applied Pharmacology</i> , 2019, 379, 114644.	2.8	27
26	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. <i>Toxicology and Applied Pharmacology</i> , 2015, 287, 149-160.	2.8	26
27	AhR activation increases IL-2 production by alloreactive CD4 ⁺ T cells initiating the differentiation of mucosal α -homing Tim3 ⁺ Lag3 ⁺ Tr1 cells. <i>European Journal of Immunology</i> , 2017, 47, 1989-2001.	2.9	26
28	Mechanism-Based Classification of PAH Mixtures to Predict Carcinogenic Potential. <i>Toxicological Sciences</i> , 2015, 146, 135-145.	3.1	23
29	Toxicokinetics of benzo[a]pyrene in humans: Extensive metabolism as determined by UPLC-accelerator mass spectrometry following oral micro-dosing. <i>Toxicology and Applied Pharmacology</i> , 2019, 364, 97-105.	2.8	23
30	Gene expression analysis during tumor enhancement by the dietary phytochemical, 3,3'-diindolylmethane, in rainbow trout. <i>Carcinogenesis</i> , 2007, 28, 1589-1598.	2.8	22
31	Bioinformatics resource manager v2.3: an integrated software environment for systems biology with microRNA and cross-species analysis tools. <i>BMC Bioinformatics</i> , 2012, 13, 311.	2.6	21
32	Pharmacokinetics of [14C]-Benzo[a]pyrene (BaP) in humans: Impact of Co-Administration of smoked salmon and BaP dietary restriction. <i>Food and Chemical Toxicology</i> , 2018, 115, 136-147.	3.6	20
33	Diet-induced obesity reprograms the inflammatory response of the murine lung to inhaled endotoxin. <i>Toxicology and Applied Pharmacology</i> , 2013, 267, 137-148.	2.8	18
34	Muscle Segment Homeobox Genes Direct Embryonic Diapause by Limiting Inflammation in the Uterus*. <i>Journal of Biological Chemistry</i> , 2015, 290, 15337-15349.	3.4	18
35	Cell type-dependent gene transcription profile in a three-dimensional human skin tissue model exposed to low doses of ionizing radiation: Implications for medical exposures. <i>Environmental and Molecular Mutagenesis</i> , 2012, 53, 247-259.	2.2	17
36	Transcriptional changes in innate immunity genes in head kidneys from <i>Aeromonas salmonicida</i> -challenged rainbow trout fed a mixture of polycyclic aromatic hydrocarbons. <i>Ecotoxicology and Environmental Safety</i> , 2017, 142, 157-163.	6.0	16

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37	Benzo[a]pyrene (BaP) metabolites predominant in human plasma following escalating oral micro-dosing with [14C]-BaP. <i>Environment International</i> , 2022, 159, 107045.	10.0	16
38	3,3-Diindolylmethane Exhibits Significant Metabolism after Oral Dosing in Humans. <i>Drug Metabolism and Disposition</i> , 2021, 49, 694-705.	3.3	15
39	Separating the drivers from the driven: Integrative network and pathway approaches aid identification of disease biomarkers from high-throughput data. <i>Disease Markers</i> , 2010, 28, 253-66.	1.3	14
40	Data integration reveals key homeostatic mechanisms following low dose radiation exposure. <i>Toxicology and Applied Pharmacology</i> , 2015, 285, 1-11.	2.8	13
41	Early life stage trimethyltin exposure induces ADP-ribosylation factor expression and perturbs the vascular system in zebrafish. <i>Toxicology</i> , 2012, 302, 129-139.	4.2	11
42	Retinoic acid-dependent regulation of miR-19 expression elicits vertebrate axis defects. <i>FASEB Journal</i> , 2013, 27, 4866-4876.	0.5	11
43	Impaired Transcriptional Response of the Murine Heart to Cigarette Smoke in the Setting of High Fat Diet and Obesity. <i>Chemical Research in Toxicology</i> , 2013, 26, 1034-1042.	3.3	11
44	Linking Coregulated Gene Modules with Polycyclic Aromatic Hydrocarbon-Related Cancer Risk in the 3D Human Bronchial Epithelium. <i>Chemical Research in Toxicology</i> , 2021, 34, 1445-1455.	3.3	10
45	Classifying polycyclic aromatic hydrocarbons by carcinogenic potency using in vitro biosignatures. <i>Toxicology in Vitro</i> , 2020, 69, 104991.	2.4	7
46	Application of a fuzzy neural network model in predicting polycyclic aromatic hydrocarbon-mediated perturbations of the Cyp1b1 transcriptional regulatory network in mouse skin. <i>Toxicology and Applied Pharmacology</i> , 2013, 267, 192-199.	2.8	6
47	Bioinformatics Resource Manager: a systems biology web tool for microRNA and omics data integration. <i>BMC Bioinformatics</i> , 2019, 20, 255.	2.6	5
48	Aryl Hydrocarbon Receptor Mediates Larval Zebrafish Fin Duplication Following Exposure to Benzofluoranthenes. <i>Toxicological Sciences</i> , 2020, 176, 46-64.	3.1	5
49	Nonmonotonic Pathway Gene Expression Analysis Reveals Oncogenic Role of p27/Kip1 at Intermediate Dose. <i>Cancer Informatics</i> , 2017, 16, 117693511774013.	1.9	3