Kirsten C Sadler

List of Publications by Year
in descending order

72 papers	4,930 citations	109321 35 h-index	95266 68 g-index
77 all docs	77 docs citations	77 times ranked	7408 citing authors

#	Article	IF	Citations
1	A permissive epigenetic landscape facilitates distinct transcriptional signatures of activating transcription factor 6 in the liver. Genomics, 2022, 114, 107-124.	2.9	7
2	uhrf1 and dnmt1 Loss Induces an Immune Response in Zebrafish Livers Due to Viral Mimicry by Transposable Elements. Frontiers in Immunology, 2021, 12, 627926.	4.8	17
3	Manipulating and tracking single hepatocyte behavior during mouse liver regeneration by performing hydrodynamic tail vein injection. STAR Protocols, 2021, 2, 100440.	1.2	3
4	Chromatin states shaped by an epigenetic code confer regenerative potential to the mouse liver. Nature Communications, 2021, 12, 4110.	12.8	12
5	Nuclear Organization during Hepatogenesis in Zebrafish Requires Uhrf1. Genes, 2021, 12, 1081.	2.4	4
6	Systematic Evaluation of the Effects of Toxicant Exposure on Survival in Zebrafish Embryos and Larvae. Current Protocols, 2021, 1, e231.	2.9	6
7	Covalent Organic Framework Embedded with Magnetic Nanoparticles for MRI and Chemo-Thermotherapy. Journal of the American Chemical Society, 2020, 142, 18782-18794.	13.7	89
8	Casting a wide net: use of diverse model organisms to advance toxicology. DMM Disease Models and Mechanisms, 2020, 13, .	2.4	11
9	Arsenic induced redox imbalance triggers the unfolded protein response in the liver of zebrafish. Toxicology and Applied Pharmacology, 2020, 409, 115307.	2.8	18
10	Unraveling the Epigenetic Basis of Liver Development, Regeneration and Disease. Trends in Genetics, 2020, 36, 587-597.	6.7	21
11	An epigenetic perspective on liver regeneration. Epigenomics, 2020, 12, 381-384.	2.1	1
12	Aqueous Synthesis of Triphenylphosphineâ€Modified Gold Nanoparticles for Synergistic In Vitro and In Vivo Photothermal Chemotherapy. Chemistry - A European Journal, 2020, 26, 5270-5279.	3.3	7
13	Supercritical CO2 Processing Generates Aqueous Cisplatin Solutions with Enhanced Cancer Specificity. ACS Omega, 2020, 5, 4558-4567.	3.5	2
14	Epigenetic Compensation Promotes Liver Regeneration. Developmental Cell, 2019, 50, 43-56.e6.	7.0	49
15	Potent and selective in vitro and in vivo antiproliferative effects of metalâ€“organic trefoil knots. Chemical Science, 2019, 10, 5884-5892.	7.4	35
16	Inorganic arsenic causes fatty liver and interacts with ethanol to cause alcoholic liver disease in zebrafish. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	36
17	High resolution annotation of zebrafish transcriptome using long-read sequencing. Genome Research, 2018, 28, 1415-1425.	5.5	69
18	Making It New Again. Current Topics in Developmental Biology, 2017, 124, 161-195.	2.2	54

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19	Variant Histone H2afv reprograms DNA methylation during early zebrafish development. Epigenetics, 2017, 12, 811-824.	2.7	19
20	Loss of DNA methylation in zebrafish embryos activates retrotransposons to trigger antiviral signaling. Development (Cambridge), 2017, 144, 2925-2939.	2.5	53
21	MPI depletion enhances O-GlcNAcylation of p53 and suppresses the Warburg effect. ELife, 2017, 6, .	6.0	30
22	DNA Methylation, Nuclear Organization, and Cancer. Frontiers in Genetics, 2017, 8, 76.	2.3	65
23	Preface. Current Topics in Developmental Biology, 2017, 124, xi-xv.	2.2	1
24	Comparative Epigenomic Profiling of the DNA Methylome in Mouse and Zebrafish Uncovers High Interspecies Divergence. Frontiers in Genetics, 2016, 7, 110.	2.3	42
25	Zebrafish Discoveries in Cancer Epigenetics. Advances in Experimental Medicine and Biology, 2016, 916, 169-197.	1.6	10
26	UHRF1 regulation of Dnmt1 is required for pre-gastrula zebrafish development. Developmental Biology, 2016, 412, 99-113.	2.0	26
27	trappc11is required for protein glycosylation in zebrafish and humans. Molecular Biology of the Cell, 2016, 27, 1220-1234.	2.1	36
28	DNA hypomethylation induces a DNA replication-associated cell cycle arrest to block hepatic outgrowth in uhrf1 mutant zebrafish embryos. Development (Cambridge), 2015, 142, 510-21.	2.5	49
29	Zebrafish: An Important Tool for Liver Disease Research. Gastroenterology, 2015, 149, 1361-1377.	1.3	211
30	Activating Transcription Factor 6 Is Necessary and Sufficient for Alcoholic Fatty Liver Disease in Zebrafish. PLoS Genetics, 2014, 10, e1004335.	3.5	64
31	Molecularly defined unfolded protein response subclasses have distinct correlations with fatty liver disease in zebrafish. DMM Disease Models and Mechanisms, 2014, 7, 823-835.	2.4	47
32	MKKing the most of liver regeneration: An in vivo screen identifies the MKK4 pathway as a suppressor of regeneration. Hepatology, 2014, 59, 1201-1203.	7.3	1
33	UHRF1 Overexpression Drives DNA Hypomethylation and Hepatocellular Carcinoma. Cancer Cell, 2014, 25, 196-209.	16.8	261
34	RAF1 mutations in childhood-onset dilated cardiomyopathy. Nature Genetics, 2014, 46, 635-639.	21.4	69
35	In vivo cell biology in zebrafish â€“ providing insights into vertebrate development and disease. Journal of Cell Science, 2014, 127, 485-495.	2.0	60
36	A zebrafish model of congenital disorders of glycosylation with phosphomannose isomerase deficiency reveals an early opportunity for corrective mannose supplementation. DMM Disease Models and Mechanisms, 2013, 6, 95-105.	2.4	30

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37	ROS: Redux and paradox in fatty liver disease. Hepatology, 2013, 58, 1210-1212.	7.3	10
38	Defining Hepatic Dysfunction Parameters in Two Models of Fatty Liver Disease in Zebrafish Larvae. Zebrafish, 2013, 10, 199-210.	1.1	54
39	Getting the Inside Tract: New Frontiers in Zebrafish Digestive System Biology. Zebrafish, 2013, 10, 129-131.	1.1	17
40	Ethanol metabolism and oxidative stress are required for unfolded protein response activation and steatosis in alcoholic liver disease. DMM Disease Models and Mechanisms, 2013, 6, 1213-26.	2.4	81
41	A zebrafish model of PMM2-CDG reveals altered neurogenesis and a substrate-accumulation mechanism for N-linked glycosylation deficiency. Molecular Biology of the Cell, 2012, 23, 4175-4187.	2.1	44
42	UHRF1 phosphorylation by cyclin A2/cyclin-dependent kinase 2 is required for zebrafish embryogenesis. Molecular Biology of the Cell, 2012, 23, 59-70.	2.1	40
43	Stress management: How the unfolded protein response impacts fatty liver disease. Journal of Hepatology, 2012, 57, 1147-1151.	3.7	28
44	The Cx43-like Connexin Protein Cx40.8 Is Differentially Localized during Fin Ontogeny and Fin Regeneration. PLoS ONE, 2012, 7, e31364.	2.5	14
45	Alcohol Disrupts Endoplasmic Reticulum Function and Protein Secretion in Hepatocytes. Alcoholism: Clinical and Experimental Research, 2012, 36, 14-23.	2.4	47
46	Biochemical Characterization Of PMM2â€depleted Zebrafish Suggests An Unexpected Mechanism For Glycosylation Deficiency In CDGâ€a. FASEB Journal, 2012, 26, 794.3.	0.5	0
47	Epigenetics, development, and cancer: Zebrafish make their mark. Birth Defects Research Part C: Embryo Today Reviews, 2011, 93, 194-203.	3.6	37
48	UHRF1 depletion causes a G2/M arrest, activation of DNA damage response and apoptosis. Biochemical Journal, 2011, 435, 175-185.	3.7	89
49	Drinks Like a Fish: Using Zebrafish to Understand Alcoholic Liver Disease. Alcoholism: Clinical and Experimental Research, 2011, 35, 826-829.	2.4	50
50	Lack of de novo phosphatidylinositol synthesis leads to endoplasmic reticulum stress and hepatic steatosis in cdipt-deficient zebrafish. Hepatology, 2011, 54, 452-462.	7.3	71
51	Activating transcription factor 6 plays protective and pathological roles in steatosis due to endoplasmic reticulum stress in zebrafish. Hepatology, 2011, 54, 495-508.	7.3	101
52	White adipose tissue development in zebrafish is regulated by both developmental time and fish size. Developmental Dynamics, 2010, 239, 3013-3023.	1.8	111
53	Inbreeding Depression and Outbreeding Depression Are Evident in Wild-Type Zebrafish Lines. Zebrafish, 2010, 7, 189-197.	1.1	43
54	Klf6/copeb is required for hepatic outgrowth in zebrafish and for hepatocyte specification in mouse ES cells. Developmental Biology, 2010, 344, 79-93.	2.0	28

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55	Conservation and divergence of methylation patterning in plants and animals. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8689-8694.	7.1	1,160
56	A zebrafish retinal graded photochemical stress model. Journal of Pharmacological and Toxicological Methods, 2009, 59, 121-127.	0.7	8
57	Hepatic steatosis in response to acute alcohol exposure in zebrafish requires sterol regulatory element binding protein activation. Hepatology, 2009, 49, 443-452.	7.3	170
58	New school in liver development: Lessons from zebrafish. Hepatology, 2009, 50, 1656-1663.	7.3	178
59	Endothelial Signals Modulate Hepatocyte Apicobasal Polarization in Zebrafish. Current Biology, 2008, 18, 1565-1571.	3.9	94
60	The Role of Insulin Receptor Signaling in Zebrafish Embryogenesis. Endocrinology, 2008, 149, 5996-6005.	2.8	57
61	Liver growth in the embryo and during liver regeneration in zebrafish requires the cell cycle regulator, uhrf1. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1570-1575.	7.1	155
62	Cryopreservation of starfish oocytes. Cryobiology, 2005, 50, 38-47.	0.7	21
63	A genetic screen in zebrafish identifies the mutants vps18, nf2and foie gras as models of liver disease. Development (Cambridge), 2005, 132, 3561-3572.	2.5	162
64	MAP kinases regulate unfertilized egg apoptosis and fertilization suppresses death via Ca2+ signaling. Molecular Reproduction and Development, 2004, 67, 366-383.	2.0	27
65	Many Ribosomal Protein Genes Are Cancer Genes in Zebrafish. PLoS Biology, 2004, 2, e139.	5.6	368
66	Attention, neurons, this CDK could save your life!. Trends in Cell Biology, 2002, 12, 214.	7.9	1
67	Ribosome assembly reawakens. Trends in Cell Biology, 2002, 12, 411.	7.9	0
68	Starfish Oocytes Form Intracellular Ice at Unusually High Temperatures. Cryobiology, 2001, 43, 248-259.	0.7	23
69	Postmeiotic Unfertilized Starfish Eggs Die by Apoptosis. Developmental Biology, 2001, 237, 29-44.	2.0	36
70	Orchestrating cell division. Trends in Cell Biology, 2000, 10, 447-450.	7.9	1
71	Components of the Signaling Pathway Linking the 1-Methyladenine Receptor to MPF Activation and Maturation in Starfish Oocytes. Developmental Biology, 1998, 197, 25-38.	2.0	84
72	Localization of xenopsin and xenopsin precursor fragment immunoreactivities in the skin and gastrointestinal tract of Xenopus laevis. Cell and Tissue Research, 1992, 270, 257-263.	2.9	5