

Kyle M Schachtschneider

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,522
citations

471371

17
h-index

289141

40
g-index

49
all docs

49
docs citations

49
times ranked

4009
citing authors

#	ARTICLE	IF	CITATIONS
1	Analyses of pig genomes provide insight into porcine demography and evolution. <i>Nature</i> , 2012, 491, 393-398.	13.7	1,190
2	Evolutionary signals of selection on cognition from the great tit genome and methylome. <i>Nature Communications</i> , 2016, 7, 10474.	5.8	172
3	A Genetic Porcine Model of Cancer. <i>PLoS ONE</i> , 2015, 10, e0128864.	1.1	128
4	Adult porcine genome-wide DNA methylation patterns support pigs as a biomedical model. <i>BMC Genomics</i> , 2015, 16, 743.	1.2	96
5	The Oncopig Cancer Model: An Innovative Large Animal Translational Oncology Platform. <i>Frontiers in Oncology</i> , 2017, 7, 190.	1.3	92
6	Genome-wide analysis of DNA methylation in pigs using reduced representation bisulfite sequencing. <i>DNA Research</i> , 2015, 22, 343-355.	1.5	72
7	Unraveling the Swine Genome: Implications for Human Health. <i>Annual Review of Animal Biosciences</i> , 2015, 3, 219-244.	3.6	70
8	Gene and transposable element methylation in great tit (<i>Parus major</i>) brain and blood. <i>BMC Genomics</i> , 2016, 17, 332.	1.2	66
9	A validated, transitional and translational porcine model of hepatocellular carcinoma. <i>Oncotarget</i> , 2017, 8, 63620-63634.	0.8	56
10	The molecular and cellular basis of copper dysregulation and its relationship with human pathologies. <i>FASEB Journal</i> , 2021, 35, e21810.	0.2	50
11	Impact of neonatal iron deficiency on hippocampal DNA methylation and gene transcription in a porcine biomedical model of cognitive development. <i>BMC Genomics</i> , 2016, 17, 856.	1.2	44
12	Modulation of Systemic Immune Responses through Commensal Gastrointestinal Microbiota. <i>PLoS ONE</i> , 2013, 8, e53969.	1.1	42
13	Of Mice, Dogs, Pigs, and Men: Choosing the Appropriate Model for Immuno-Oncology Research. <i>ILAR Journal</i> , 2018, 59, 247-262.	1.8	40
14	Peripheral viral infection induced microglial sensome genes and enhanced microglial cell activity in the hippocampus of neonatal piglets. <i>Brain, Behavior, and Immunity</i> , 2016, 54, 243-251.	2.0	29
15	Oncopig Soft-Tissue Sarcomas Recapitulate Key Transcriptional Features of Human Sarcomas. <i>Scientific Reports</i> , 2017, 7, 2624.	1.6	27
16	Epigenetic clock and DNA methylation analysis of porcine models of aging and obesity. <i>GeroScience</i> , 2021, 43, 2467-2483.	2.1	27
17	The Melding of Drug Screening Platforms for Melanoma. <i>Frontiers in Oncology</i> , 2019, 9, 512.	1.3	20
18	Development and comprehensive characterization of porcine hepatocellular carcinoma for translational liver cancer investigation. <i>Oncotarget</i> , 2020, 11, 2686-2701.	0.8	19

#	ARTICLE	IF	CITATIONS
19	Staging Liver Fibrosis by Fibroblast Activation Protein Inhibitor PET in a Human-Sized Swine Model. <i>Journal of Nuclear Medicine</i> , 2022, 63, 1956-1961.	2.8	16
20	Genetically Induced Tumors in the Oncopig Model Invoke an Antitumor Immune Response Dominated by Cytotoxic CD8 ⁺ T Cells and Differentiated $\gamma\delta$ T Cells Alongside a Regulatory Response Mediated by FOXP3 ⁺ T Cells and Immunoregulatory Molecules. <i>Frontiers in Immunology</i> , 2018, 9, 1301.	2.2	15
21	<i>Mycobacterium bovis</i> BCG in metastatic melanoma therapy. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 7903-7916.	1.7	15
22	The Oncopig Cancer Model as a Complementary Tool for Phenotypic Drug Discovery. <i>Frontiers in Pharmacology</i> , 2017, 8, 894.	1.6	14
23	Transarterial Embolization of Liver Cancer in a Transgenic Pig Model. <i>Journal of Vascular and Interventional Radiology</i> , 2021, 32, 510-517.e3.	0.2	14
24	Molecularly targeted photothermal ablation improves tumor specificity and immune modulation in a rat model of hepatocellular carcinoma. <i>Communications Biology</i> , 2020, 3, 783.	2.0	13
25	Translational Animal Models for Liver Cancer. <i>American Journal of Interventional Radiology</i> , 0, 2, 2.	0.0	12
26	Characterization of an Inducible Alcoholic Liver Fibrosis Model for Hepatocellular Carcinoma Investigation in a Transgenic Porcine Tumorigenic Platform. <i>Journal of Vascular and Interventional Radiology</i> , 2018, 29, 1194-1202.e1.	0.2	11
27	7-Chloroquinoline-1,2,3-triazoyl carboxamides induce cell cycle arrest and apoptosis in human bladder carcinoma cells. <i>Investigational New Drugs</i> , 2020, 38, 1020-1030.	1.2	11
28	Translating Human Cancer Sequences Into Personalized Porcine Cancer Models. <i>Frontiers in Oncology</i> , 2019, 9, 105.	1.3	10
29	Gene expression profiling in Pekin duck embryonic breast muscle. <i>PLoS ONE</i> , 2017, 12, e0174612.	1.1	9
30	Porcine cancer models: potential tools to enhance cancer drug trials. <i>Expert Opinion on Drug Discovery</i> , 2020, 15, 893-902.	2.5	8
31	Altered Hippocampal Epigenetic Regulation Underlying Reduced Cognitive Development in Response to Early Life Environmental Insults. <i>Genes</i> , 2020, 11, 162.	1.0	8
32	Transcriptional regulation of alcohol induced liver fibrosis in a translational porcine hepatocellular carcinoma model. <i>Biochimie</i> , 2021, 182, 73-84.	1.3	7
33	TM4SF18 is aberrantly expressed in pancreatic cancer and regulates cell growth. <i>PLoS ONE</i> , 2019, 14, e0211711.	1.1	6
34	Swine models for translational oncological research: an evolving landscape and regulatory considerations. <i>Mammalian Genome</i> , 2022, 33, 230-240.	1.0	6
35	Generation of genetically tailored porcine liver cancer cells by CRISPR/Cas9 editing. <i>BioTechniques</i> , 2021, 70, 37-48.	0.8	5
36	Analysis of <i>Anas platyrhynchos</i> genome resequencing data reveals genetic signatures of artificial selection. <i>PLoS ONE</i> , 2019, 14, e0211908.	1.1	3

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37	Transcriptional Profiling of Porcine HCC Xenografts Provides Insights Into Tumor Cell Microenvironment Signaling. <i>Frontiers in Genetics</i> , 2021, 12, 657330.	1.1	3
38	Perspective: Humanized Pig Models of Bladder Cancer. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 681044.	1.6	3
39	Synthesis and biological evaluation of new antioxidant and antiproliferative chalcogenobiotin derivatives for bladder carcinoma treatment. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115423.	1.4	1
40	Abstract 4094: Oncopig and human hepatocellular carcinoma cell lines exhibit similar response to liver cancer chemotherapy agents. , 2018, , .		1
41	Effect of CRISPR Knockout of AXIN1 or ARID1A on Proliferation and Migration of Porcine Hepatocellular Carcinoma. <i>Frontiers in Oncology</i> , 2022, 12, .	1.3	1
42	Characteristics and Unmet Clinical Needs Related to Hepatocellular Carcinoma. <i>Digestive Disease Interventions</i> , 2017, 01, 074-082.	0.3	0
43	Utilization of Genomics and Functional Genomics to Inform Clinical Decisions in IR. <i>Journal of Vascular and Interventional Radiology</i> , 2018, 29, 1117-1121.	0.2	0
44	Editorial: "Humanized" Large Animal Cancer Models: Accelerating Time and Effectiveness of Clinical Trials. <i>Frontiers in Oncology</i> , 2019, 9, 793.	1.3	0
45	The Promise of Improving Hepatocellular Carcinoma Treatment Responses through Translational Device Testing. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 492-493.	0.2	0